

DRAFT/PROPOSED CAAPP PERMIT  
October 1, 2014

Attention:

Viobin USA, Division of McShares, Inc.  
Attn: James R. Oliver  
226 West Livingston Street  
Monticello, Illinois 61866

State of Illinois

# CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT

Source:

Viobin USA  
226 West Livingston Street  
Monticello, Illinois 61856

I.D. No.: 147035AAH  
Permit No.: 97040021

Permitting Authority:

Illinois Environmental Protection Agency  
Bureau of Air, Permit Section  
217/785-1705

**CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT**

[Title I and Title V Permit]

Type of Application: Renewal  
Purpose of Application: Renew Existing CAAPP Permit for 5 Years

ID No.: 147035AAH  
Permit No.: 97040021  
Statement of Basis No.: 97040021-1407

Date Application Received: January 11, 2007  
Date Issued: TBD  
Expiration Date: TBD  
Renewal Submittal Date: 9 Months Prior to TBD

Source Name: Viobin USA  
Address: 226 W. Livingston Street  
City: Monticello  
County: Piatt  
ZIP Code: 61856

This permit is hereby granted to the above-designated source authorizing operation in accordance with this CAAPP permit, pursuant to the above referenced application. This source is subject to the conditions contained herein. For further information on the source see Section 1 and for further discussion on the effectiveness of this permit see Condition 2.3(g).

If you have any questions concerning this permit, please contact James O. Quinn at 217/785-1705.

Raymond E. Pilapil  
Acting Manager, Permit Section  
Division of Air Pollution Control

REP:MTR:JOQ:psj

cc: IEPA, Permit Section  
IEPA, FOS, Region 3  
Lotus Notes Database

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## Section 1 - Source Information

## 1. Addresses

Source

Viobin USA div. of McShares, Inc.  
226 West Livingston Street  
Monticello, Illinois 61866

Owner

McShares  
1835 East North Street  
Salina, Kansas 67401

Operator

Viobin USA div. of McShares, Inc.  
226 West Livingston Street  
Monticello, Illinois 61866

Permittee

The Owner and Operator of the source as identified in this table.

## 2. Contacts

Certified Officials

The source shall submit an Administrative Permit Amendment for any change in the Certified Officials, pursuant to Section 39.5(13) of the Act.

	<i>Name</i>	<i>Title</i>
<i>Responsible Official</i>	James R. Oliver	Safety/Environmental Manager
<i>Delegated Authority</i>	No other individuals have been authorized by the IEPA.	N/A

Other Contacts

	<i>Name</i>	<i>Phone No.</i>	<i>Email</i>
<i>Source Contact</i>	James R. Oliver	217-762-2561	jimoliver@viobinusa.com
<i>Technical Contact</i>	James R. Oliver	217-762-2561	jimoliver@viobinusa.com
<i>Correspondence</i>	James R. Oliver	217-762-2561	jimoliver@viobinusa.com
<i>Billing</i>	James R. Oliver	217-762-2561	jimoliver@viobinusa.com

## 3. Single Source

The source identified in Condition 1.1 above shall be defined to include all the following additional source(s):

<i>I.D. No.</i>	<i>Permit No.</i>	<i>Single Source Name and Address</i>
N/A	N/A	N/A

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## Section 2 - General Permit Requirements

### 1. Prohibitions

- a. It shall be unlawful for any person to violate any terms or conditions of this permit issued under Section 39.5 of the Act, to operate the CAAPP source except in compliance with this permit issued by the IEPA under Section 39.5 of the Act or to violate any other applicable requirements. All terms and conditions of this permit issued under Section 39.5 of the Act are enforceable by USEPA and citizens under the Clean Air Act, except those, if any, that are specifically designated as not being federally enforceable in this permit pursuant to Section 39.5(7)(m) of the Act. [Section 39.5(6)(a) of the Act]
- b. After the applicable CAAPP permit or renewal application submittal date, as specified in Section 39.5(5) of the Act, the source shall not operate this CAAPP source without a CAAPP permit unless the complete CAAPP permit or renewal application for such source has been timely submitted to the IEPA. [Section 39.5(6)(b) of the Act]
- c. No Owner or Operator of the CAAPP source shall cause or threaten or allow the continued operation of an emission source during malfunction or breakdown of the emission source or related air pollution control equipment if such operation would cause a violation of the standards or limitations applicable to the source, unless this CAAPP permit granted to the source provides for such operation consistent with the Act and applicable Illinois Pollution Control Board regulations. [Section 39.5(6)(c) of the Act]
- d. Pursuant to Section 39.5(7)(g) of the Act, emissions from the source are not allowed to exceed any allowances that the source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder, consistent with Section 39.5(17) of the Act and applicable requirements, if any.

### 2. Emergency Provisions

Pursuant to Section 39.5(7)(k) of the Act, the Owner or Operator of the CAAPP source may provide an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations under this CAAPP permit if the following conditions are met through properly signed, contemporaneous operating logs, or other relevant evidence:

- a.
  - i. An emergency occurred and the source can identify the cause(s) of the emergency.
  - ii. The source was at the time being properly operated.
  - iii. The source submitted notice of the emergency to the IEPA within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
  - iv. During the period of the emergency the source took all reasonable steps to minimize levels of emissions that exceeded the emission limitations, standards, or requirements in this permit.
- b. For purposes of Section 39.5(7)(k) of the Act, "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, such as an act of God, that requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operation error.
- c. In any enforcement proceeding, the source seeking to establish the occurrence of an emergency has the burden of proof. This provision is in addition to any emergency or

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upset provision contained in any applicable requirement. This provision does not relieve the source of any reporting obligations under existing federal or state laws or regulations.

### 3. General Provisions

#### a. Duty to Comply

The source must comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the CAA and the Act, and is grounds for any or all of the following: enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. [Section 39.5(7)(o)(i) of the Act]

#### b. Need to Halt or Reduce Activity is not a Defense

It shall not be a defense for the source in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Section 39.5(7)(o)(ii) of the Act]

#### c. Duty to Maintain Equipment

The source shall maintain all equipment covered under this permit in such a manner that the performance or operation of such equipment shall not cause a violation of applicable requirements. [Section 39.5(7)(a) of the Act]

#### d. Disposal Operations

The source shall be operated in such a manner that the disposal of air contaminants collected by the equipment operations, or activities shall not cause a violation of the Act or regulations promulgated there under. [Section 39.5(7)(a) of the Act]

#### e. Duty to Pay Fees

- i. The source must pay fees to the IEPA consistent with the fee schedule approved pursuant to Section 39.5(18) of the Act, and submit any information relevant thereto. [Section 39.5(7)(o)(vi) of the Act]
- ii. The IEPA shall assess annual fees based on the allowable emissions of all regulated air pollutants, except for those regulated air pollutants excluded in Section 39.5(18)(f) of the Act and insignificant activities in Section 6, at the source during the term of this permit. The amount of such fee shall be based on the information supplied by the applicant in its complete CAAPP permit application. [Section 39.5(18)(a)(ii)(A) of the Act]
- iii. The check should be payable to "Treasurer, State of Illinois" and sent to: Fiscal Services Section, Illinois EPA, P.O. Box 19276, Springfield, IL, 62794-9276. Include on the check: ID #, Permit #, and "CAAPP Operating Permit Fees". [Section 39.5(18)(e) of the Act]

#### f. Obligation to Allow IEPA Surveillance

Pursuant to Sections 4(a), 39.5(7)(a), and 39.5(7)(p)(ii) of the Act, inspection and entry requirements that necessitate that, upon presentation of credentials and other documents as may be required by law and in accordance with constitutional limitations, the source shall allow the IEPA, or an authorized representative to perform the following:

- i. Enter upon the source's premises where the emission unit(s) are located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

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- ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.
- iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
- iv. Sample or monitor any substances or parameters at any location at reasonable times:
  - A. As authorized by the Clean Air Act or the Act, at reasonable times, for the purposes of assuring compliance with this CAAPP permit or applicable requirements; or
  - B. As otherwise authorized by the Act.
- v. Enter and utilize any photographic, recording, testing, monitoring, or other equipment for the purposes of preserving, testing, monitoring, or recording any activity, discharge or emission at the source authorized by this permit.

**g. Effect of Permit**

- i. Pursuant to Section 39.5(7)(j)(iv) of the Act, nothing in this CAAPP permit shall alter or affect the following:
  - A. The provisions of Section 303 (emergency powers) of the CAA, including USEPA's authority under that Section.
  - B. The liability of the Owner or Operator of the source for any violation of applicable requirements prior to or at the time of permit issuance.
  - C. The applicable requirements of the acid rain program consistent with Section 408(a) of the Clean Air Act.
  - D. The ability of USEPA to obtain information from the source pursuant to Section 114 (inspections, monitoring, and entry) of the Clean Air Act.
- ii. Notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, pursuant to Sections 39.5(7)(j) and (p) of the Act, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements. [35 IAC 201.122 and Section 39.5(7)(a) of the Act]

**h. Severability Clause**

The provisions of this permit are severable. In the event of a challenge to any portion of this permit, other portions of this permit may continue to be in effect. Should any portion of this permit be determined to be illegal or unenforceable, the validity of the other provisions shall not be affected and the rights and obligations of the source shall be construed and enforced as if this permit did not contain the particular provisions held to be invalid and the applicable requirements underlying these provisions shall remain in force. [Section 39.5(7)(i) of the Act]

<b>4. <u>Testing</u></b>
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- a. Tests conducted to measure composition of materials, efficiency of pollution control devices, emissions from process or control equipment, or other parameters shall be conducted using standard test methods if applicable test methods are not specified by the applicable regulations or otherwise identified in the conditions of this permit. Documentation of the test date, conditions, methodologies, calculations, and test results shall be retained pursuant to the recordkeeping procedures of this permit. Reports of

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any tests conducted as required by this permit or as the result of a request by the IEPA shall be submitted as specified in Condition 7.1 of this permit. [35 IAC Part 201 Subpart J and Section 39.5(7)(a) of the Act]

- b. Pursuant to Section 4(b) of the Act and 35 IAC 201.282, every emission source or air pollution control equipment shall be subject to the following testing requirements for the purpose of determining the nature and quantities of specified air contaminant emissions and for the purpose of determining ground level and ambient air concentrations of such air contaminants:
  - i. **Testing by Owner or Operator:** The IEPA may require the Owner or Operator of the emission source or air pollution control equipment to conduct such tests in accordance with procedures adopted by the IEPA, at such reasonable times as may be specified by the IEPA and at the expense of the Owner or Operator of the emission source or air pollution control equipment. All such tests shall be made by or under the direction of a person qualified by training and/or experience in the field of air pollution testing. The IEPA shall have the right to observe all aspects of such tests.
  - ii. **Testing by the IEPA:** The IEPA shall have the right to conduct such tests at any time at its own expense. Upon request of the IEPA, the Owner or Operator of the emission source or air pollution control equipment shall provide, without charge to the IEPA, necessary holes in stacks or ducts and other safe and proper testing facilities, including scaffolding, but excluding instruments and sensing devices, as may be necessary.

## **5. Recordkeeping**

### **a. Control Equipment Maintenance Records**

Pursuant to Section 39.5(7)(b) of the Act, a maintenance record shall be kept on the premises for each item of air pollution control equipment. At a minimum, this record shall show the dates maintenance was performed and the nature of preventative maintenance activities.

### **b. Retention of Records**

- i. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. [Section 39.5(7)(e)(ii) of the Act]
- ii. Pursuant to Section 39.5(7)(a) of the Act, other records required by this permit including any logs, plans, procedures, or instructions required to be kept by this permit shall be retained for a period of at least 5 years from the date of entry unless a different period is specified by a particular permit provision.

### **c. Availability of Records**

- i. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall retrieve and provide paper copies, or as electronic media, any records retained in an electronic format (e.g., computer) in response to an IEPA or USEPA request during the course of a source inspection.
- ii. Pursuant to Section 39.5(7)(a) of the Act, upon written request by the IEPA for copies of records or reports required to be kept by this permit, the Permittee shall promptly submit a copy of such material to the IEPA. For this purpose, material shall be submitted to the IEPA within 30 days unless additional time is provided by the IEPA or the Permittee believes that the volume and nature of

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requested material would make this overly burdensome, in which case, the Permittee shall respond within 30 days with the explanation and a schedule for submittal of the requested material. (See also Condition 2.9(d))

## 6. Certification

### a. Compliance Certification

- i. Pursuant to Section 39.5(7)(p)(v)(C) of the Act, the source shall submit annual compliance certifications by May 1 unless a different date is specified by an applicable requirement or by a particular permit condition. The annual compliance certifications shall include the following:
  - A. The identification of each term or condition of this permit that is the basis of the certification.
  - B. The compliance status.
  - C. Whether compliance was continuous or intermittent.
  - D. The method(s) used for determining the compliance status of the source, both currently and over the reporting period consistent with the conditions of this permit.
- ii. Pursuant to Section 39.5(7)(p)(v)(D) of the Act, all compliance certifications shall be submitted to USEPA Region 5 in Chicago as well as to the IEPA Compliance Section. Addresses are included in Attachment 3.
- iii. Pursuant to Section 39.5(7)(p)(i) of the Act, all compliance reports required to be submitted shall include a certification in accordance with Condition 2.6(b).

### b. Certification by a Responsible Official

Any document (including reports) required to be submitted by this permit shall contain a certification by the responsible official of the source that meets the requirements of Section 39.5(5) of the Act and applicable regulations. [Section 39.5(7)(p)(i) of the Act]. An example Certification by a Responsible Official is included in Attachment 4 of this permit.

## 7. Permit Shield

- a. Pursuant to Section 39.5(7)(j) of the Act, except as provided in Condition 2.7(b) below, the source has requested and has been granted a permit shield. This permit shield provides that compliance with the conditions of this permit shall be deemed compliance with applicable requirements which were applicable as of the date the proposed permit for this source was issued, provided that either the applicable requirements are specifically identified within this permit, or the IEPA, in acting on this permit application, has determined that other requirements specifically identified are not applicable to this source and this determination (or a concise summary thereof) is included in this permit. This permit shield does not extend to applicable requirements which are promulgated after **Error! Bookmark not defined.** (date USEPA notice started), unless this permit has been modified to reflect such new requirements.
- b. Pursuant to Section 39.5(7)(j) of the Act, this permit and the terms and conditions herein do not affect the Permittee's past and/or continuing obligation with respect to statutory or regulatory requirements governing major source construction or modification under Title I of the CAA. Further, neither the issuance of this permit nor any of the terms or conditions of the permit shall alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of permit issuance.

- c. Pursuant to Section 39.5(7)(a) of the Act, the issuance of this permit by the IEPA does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the IEPA or the USEPA may have against the applicant including, but not limited to, any enforcement action authorized pursuant to the provision of applicable federal and state law.

## 8. Title I Conditions

Pursuant to Sections 39(a), 39(f), and 39.5(7)(a) of the Act, as generally identified below, this CAAPP permit may contain certain conditions that relate to requirements arising from the construction or modification of emission units at this source. These requirements derive from permitting programs authorized under Title I of the Clean Air Act (CAA) and regulations thereunder, and Title X of the Illinois Environmental Protection Act (Act) and regulations implementing the same. Such requirements, including the New Source Review programs for both major (i.e., PSD and nonattainment areas) and minor sources, are implemented by the IEPA.

- a. This permit may contain conditions that reflect requirements originally established in construction permits previously issued for this source. These conditions include requirements from preconstruction permits issued pursuant to regulations approved or promulgated by USEPA under Title I of the CAA, as well as requirements contained within construction permits issued pursuant to state law authority under Title X of the Act. Accordingly, all such conditions are incorporated into this CAAPP permit by virtue of being either an "applicable Clean Air Act requirement" or an "applicable requirement" in accordance with Section 39.5 of the Act. These conditions are identifiable herein by a designation to their origin of authority.
- b. This permit may contain conditions that reflect necessary revisions to requirements established for this source in preconstruction permits previously issued under the authority of Title I of the CAA. These conditions are specifically designated herein as "TIR".
  - i. Revisions to original Title I permit conditions are incorporated into this permit through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.
  - ii. Revised Title I permit conditions shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant's request.
- c. This permit may contain conditions that reflect new requirements for this source that would ordinarily derive from a preconstruction permit established under the authority of Title I of the CAA. These conditions are specifically designated herein as "TIN".
  - i. The incorporation of new Title I requirements into this CAAPP permit is authorized through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.
  - ii. Any Title I conditions that are newly incorporated shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant's request.

## 9. Reopening and Revising Permit

### a. Permit Actions

This permit may be modified, revoked, reopened and reissued, or terminated for cause in accordance with applicable provisions of Section 39.5 of the Act. The filing of a request by the source for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [Section 39.5(7)(o)(iii) of the Act]

### b. Reopening and Revision

Pursuant to Section 39.5(15)(a) of the Act, this permit must be reopened and revised if any of the following occur:

- i. Additional requirements become applicable to the equipment covered by this permit and three or more years remain before expiration of this permit;
- ii. Additional requirements become applicable to the source for acid deposition under the acid rain program;
- iii. The IEPA or USEPA determines that this permit contains a material mistake or that an inaccurate statement was made in establishing the emission standards or limitations, or other terms or conditions of this permit; or
- iv. The IEPA or USEPA determines that this permit must be revised or revoked to ensure compliance with the applicable requirements.

### c. Inaccurate Application

Pursuant to Sections 39.5(5)(e) and (i) of the Act, the IEPA has issued this permit based upon the information submitted by the source in the permit application referenced on page 1 of this permit. Any misinformation, false statement or misrepresentation in the application shall be grounds for revocation or reopening of this CAAPP under Section 39.5(15) of the Act.

### d. Duty to Provide Information

The source shall furnish to the IEPA, within a reasonable time specified by the IEPA any information that the IEPA may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the source shall also furnish to the IEPA copies of records required to be kept by this permit. [Section 39.5(7)(o)(v) of the Act]

## 10. Emissions Trading Programs

No permit revision shall be required for increases in emissions allowed under any USEPA approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for elsewhere in this permit and that are authorized by the applicable requirement. [Section 39.5(7)(o)(vii) of the Act]

## 11. Permit Renewal

- a. Upon the expiration of this permit, if the source is operated, it shall be deemed to be operating without a permit unless a timely and complete CAAPP application has been submitted for renewal of this permit. However, if a timely and complete application to renew this CAAPP permit has been submitted, the terms and all conditions of the most recent issued CAAPP permit will remain in effect until the issuance of a renewal permit. [Sections 39.5(5)(1) and (o) of the Act]

- b. For purposes of permit renewal, a timely application is one that is submitted no less than 9 months prior to the date of permit expiration. [Section 39.5(5)(n) of the Act]

## **12. Permanent Shutdown**

Pursuant to Section 39.5(7)(a) of the Act, this permit only covers emission units and control equipment while physically present at the source location(s). Unless this permit specifically provides for equipment relocation, this permit is void for the operation or activity of any item of equipment on the date it is removed from the permitted location(s) or permanently shut down. This permit expires if all equipment is removed from the permitted location(s), notwithstanding the expiration date specified on this permit.

## **13. Startup, Shutdown, and Malfunction**

Pursuant to Section 39.5(7)(a) of the Act, in the event of an action to enforce the terms or conditions of this permit, this permit does not prohibit a Permittee from invoking any affirmative defense that is provided by the applicable law or rule.

## Section 3 - Source Requirements

### 1. Applicable Requirements

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements. These requirements are applicable to all emission units (including insignificant activities unless specified otherwise in this Section) at the source.

#### a. Fugitive Particulate Matter

- i. Pursuant to 35 IAC 212.301 and 35 IAC 212.314, no person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally toward the zenith at a point beyond the property line of the source unless the wind speed is greater than 25 mph.
- ii. Compliance Method (Fugitive Particulate Matter)

Upon request by the IEPA, the Permittee shall conduct observations at the property line of the source for visible emissions of fugitive particulate matter from the source to address compliance with 35 IAC 212.301. For this purpose, daily observations shall be conducted for a week for particular area(s) of concern at the source, as specified in the request, observations shall begin either within one day or three days of receipt of a written request from the IEPA, depending, respectively, upon whether observations will be conducted by employees of the Permittee or a third-party observer hired by the Permittee to conduct observations on its behalf. The Permittee shall keep records for these observations, including identity of the observer, the date and time of observations, the location(s) from which observations were made, and duration of any fugitive emissions event(s).

#### b. Ozone Depleting Substances

Pursuant to 40 CFR 82.150(b), the Permittee shall comply with the standards for recycling and emissions reduction of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

- i. Pursuant to 40 CFR 82.156, persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices.
- ii. Pursuant to 40 CFR 82.158, equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment.
- iii. Pursuant to 40 CFR 82.161, persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program.
- iv. Pursuant to 40 CFR 82 Subpart B, any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner shall comply with 40 CFR 82 Subpart B, Servicing of Motor Vehicle Air Conditioners.
- v. Pursuant to 40 CFR 82.166, all persons shall comply with the reporting and recordkeeping requirements of 40 CFR 82.166.

#### c. Asbestos Demolition and Renovation

- i. Asbestos Fees. Pursuant to Section 9.13(a) of the Act, for any site for which the Owner or Operator must file an original 10-day notice of intent to renovate or

demolish pursuant to Condition 3.1(c)(ii) below and 40 CFR 61.145(b), the owner or operator shall pay to the IEPA with the filing of each 10-day notice a fee of \$150.

- ii. Pursuant to 40 CFR 61 Subpart M, Standard of Asbestos, prior to any demolition or renovation at this facility, the Permittee shall fulfill notification requirements of 40 CFR 61.145(b).
- iii. Pursuant to 40 CFR 61.145(c), during demolition or renovation, the Permittee shall comply with the procedures for asbestos emission control established by 40 CFR 61.145(c).

**d. NESHAP Standards (40 CFR 63 Subpart DDDDD)**

Pursuant to 40 CFR 63.7495(b), no later than January 31, 2016, the source must:

- i. Meet the applicable general provisions of 40 CFR 63 Subpart A. See Condition 7.3(a).
- ii. Have a one-time energy assessment performed on the source specified in 40 CFR 63 Subpart DDDDD Table 3 Condition 4, Pursuant to 40 CFR 63.7500(a)(1).

**e. Future Emission Standards**

Pursuant to Section 39.5(15)(a) of the Act, this source shall comply with any new or revised applicable future standards of 40 CFR 60, 61, 62, or 63; or 35 IAC Subtitle B after the date issued of this permit. The Permittee shall, in accordance with the applicable regulation(s), comply with the applicable requirements by the date(s) specified and shall certify compliance with the applicable requirements of such regulation(s) as part of the annual compliance certification, as required by Condition 2.6(a). This permit may also have to be revised or reopened to address such new regulations in accordance to Condition 2.9.

<b>2. Applicable Plans and Programs</b>
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Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements. These requirements are applicable to all emission units (including insignificant activities unless specified otherwise in this Section) at the source.

**a. Compliance Demonstration Plan (40 CFR Part 63, Subpart GGGG)**

- i. Pursuant to 40 CFR 63.2851, the Permittee has to maintain and implement a written plan for demonstrating compliance with 40 CFR Part 63, Subpart GGGG, for solvent extraction operations of vegetable oil production and prepared in accordance with requirements of 40 CFR 63.2851(a)(1) through (7).
- ii. The plan for compliance demonstration, as prepared by the Permittee in the most current version from February 2004 is incorporated herein by reference. The document constitutes the formal plan for compliance demonstration required by 40 CFR 63.2851 and addresses all methods of measurements used by the Permittee to determine solvent losses and tons of soybeans processed.
- iii. Pursuant to 40 CFR 63.2862(b), the Permittee shall keep a copy of the plan on-site and be readily available as long as the source is operational. Pursuant to 40 CFR 63.2851(a), when any changes to the plan are made, the Permittee shall keep all previous versions of the plan and make them readily available for inspection for at least 5 years after each revision.

**b. Fugitive PM Operating Program**

Should this source become subject to 35 IAC 212.302, the Permittee shall prepare and operate under a Fugitive PM Operating Program consistent with 35 IAC 212.310 and submitted to the IEPA for its review. The Fugitive PM Operating Program shall be designed to significantly reduce fugitive particulate matter emissions, pursuant to 35 IAC 212.309(a). Any future Fugitive PM Operating Program made by the Permittee during the permit term is automatically incorporated by reference provided the Fugitive PM Operating Program is not expressly disapproved, in writing, by the IEPA within 30 days of receipt of the Fugitive PM Operating Program. In the event that the IEPA notifies the Permittee of a deficiency with any Fugitive PM Operating Program, the Permittee shall be required to revise and resubmit the Fugitive PM Operating Program within 30 days of receipt of notification to address the deficiency pursuant to Section 39.5(7)(a) of the Act.

**c. PM<sub>10</sub> Contingency Measure Plan**

Should this source become subject to 35 IAC 212.700, then the Permittee shall prepare and operate under a PM<sub>10</sub> Contingency Measure Plan reflecting the PM<sub>10</sub> emission reductions as set forth in 35 IAC 212.701 and 212.703. The Permittee shall, within 90 days after the date this source becomes subject to 35 IAC 212.700, submit a request to modify this CAAPP permit in order to include a new, appropriate PM<sub>10</sub> Contingency Measure Plan.

**d. Episode Action Plan**

Should this source become subject to 35 IAC 244.142, the Permittee shall prepare, submit, and operate under an Episode Action Plan for reducing the levels of emissions during yellow alerts, red alerts, and emergencies, consistent with safe operating procedures and submitted to the IEPA for its review. The Episode Action Plan shall contain the information specified in 35 IAC 244.144. The Permittee shall immediately implement the appropriate steps described in this Episode Action Plan should an air pollution alert or emergency be declared. Any future Episode Action Plan made by the Permittee during the permit term is automatically incorporated by reference provided the Episode Action Plan is not expressly disapproved, in writing, by the IEPA within 30 days of receipt of the Episode Action Plan. In the event that the IEPA notifies the Permittee of a deficiency with any Episode Action Plan, the Permittee shall be required to revise and resubmit the Episode Action Plan within 30 days of receipt of notification to address the deficiency pursuant to Section 39.5(7)(a) of the Act.

**e. Risk Management Plan (RMP)**

Should this stationary source, as defined in 40 CFR 68.3, become subject to the federal regulations for Chemical Accident Prevention in 40 CFR Part 68, then the Permittee shall submit a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR 68.10(a); or submit a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan, as part of the annual compliance certification required by Condition 2.6(a). This condition is imposed in this permit pursuant to 40 CFR 68.215(a)(2)(i) and (ii).

**3. Title I Requirements**

As of the date of issuance of this permit, there are no source-wide Title I requirements that need to be included in this Condition.

**4. Synthetic Minor Limits**

As of the date of issuance of this permit, there are no source-wide synthetic minor limits that need to be included in this Condition.

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## 5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

### a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows:
  - I. Requirements in Condition 3.1(a)(i).
  - II. Requirements in Condition 3.2(a), and 3.2(c).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.
- iv. All deviation reports required in this Permit shall be identified, summarized, and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

### b. Semiannual Reporting

- i. Pursuant to Section 39.5(7)(f)(i) of the Act, the Permittee shall submit Semiannual Monitoring Reports to the IEPA, Air Compliance Section, summarizing required monitoring as part of the Compliance Methods in this Permit submitted every six months as follows, unless more frequent reporting is required in other parts of this permit.

<u>Monitoring Period</u>	<u>Report Due Date</u>
January through June	July 31
July through December	January 31

- ii. The Semiannual Monitoring Report must be certified by a Responsible Official consistent with Condition 2.6(b).

### c. Annual Emissions Reporting

Pursuant to 35 IAC Part 254, the Source shall submit an Annual Emission Report to the Air Quality Planning Section, due by May 1 of the year following the calendar year in which the emissions took place. All records and calculations upon which the verified and reported data are based must be retained by the source.



## Section 4 - Emission Unit Requirements

### 4.1 Batch Extractor and Pilot Plant

#### 1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Batch Extractor	PM ,VOM, HAP	1978	N/A	Condensers, Carbon Beds, Dust Collectors	N/A
Pilot Plant	PM, VOM, HAP	Prior to 1972	N/A	Condensers, Dust Collector	N/A

#### 2. Applicable Requirements

For the emission units in Condition 4.1.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

##### a. i. Opacity Requirements

- A. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122.

##### ii. Compliance Method (Opacity Requirements)

###### Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform quarterly visible emission observations of each individual stack and point of fugitive emissions of each grain handling operation identified in the Table 4.1(1) above in accordance with Method 22. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the operation, maintenance and repair, and/or adjustment of fuel usage. If corrective action was taken, the Permittee shall perform a follow up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9, the procedures in 40 CFR 60.11 and Section 7.1 of this permit shall be conducted within 48 hours in accordance with Condition 2.4.

###### Recordkeeping

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for all Method 9 and Method 22 opacity measurements and visible emissions observations made in accordance with Condition 4.1.2(a)(ii)(A). These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

##### b. i. Particulate Matter Requirements (PM)

- A. Pursuant to 35 IAC 212.321(a), the Permittee shall not cause or allow the emission of particulate matter into the atmosphere in any one hour period

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from any new process emission unit, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, exceeds the allowable emission rates specified in subsection (c) of 35 IAC 212.321.

ii. Compliance Method (PM Requirements)

Monitoring

- A. Pursuant to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, the Batch Extractor is subject to 40 CFR Part 64. The Permittee shall comply with the monitoring requirements of the CAM Plan described in Condition 7.8 and Table 7.8.3, pursuant to 40 CFR Part 64 as submitted in the Permittee's CAM plan application. At all times, the Owner or Operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment, pursuant to 40 CFR 64.7(a) and (b).

Recordkeeping

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of PM emissions with supporting calculations (lbs/hr).

c. i. Volatile Organic Material Requirements (VOM)

- A. Pursuant to 35 IAC 215.340, when processing soybeans, the batch extraction process shall not cause or allow emissions to exceed:
- I. 0.0026 lbs of volatile organic material per pound of conventional soybean crush, and
- II. 0.0052 lbs of volatile organic material per pound of specialty soybean crush.
- B. Pursuant to 35 IAC 215.342, when processing raw corn germ, the batch extraction process shall not cause or allow emissions to exceed 2.2 gals of volatile organic material per ton of raw corn germ processed.
- C. Pursuant to Construction Permit #94090063, VOM emissions from the batch extraction process shall not exceed 7.3 tons/month and 43.8 tons/year).

ii. Compliance Method (VOM Requirements)

Monitoring

- A. Pursuant to 39.5(7)(a) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).
- B. Pursuant to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, the Batch Extractor is subject to 40 CFR Part 64. The Permittee shall comply with the monitoring requirements of the CAM Plan described in Condition 7.8 and Table 7.8.4, pursuant to 40 CFR Part 64 as submitted in the Permittee's CAM plan application. At all times, the Owner or Operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment, pursuant to 40 CFR 64.7(a) and (b).

Recordkeeping

- C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the following items for the batch extraction process:
- a. Monthly hexane usage (gallons);
  - b. Annual (calendar year) VOM and HAP emissions (tons) with supporting documentation and calculations;
  - c. The Permittee shall maintain daily records of solvent storage inventory, and conventional and specialty soybean crush or raw corn germ. Each day the total decrease in solvent storage inventory, and total conventional and specialty soybean crush or raw corn germ for the previous 180 days shall be calculated. The Illinois EPA shall have access to records required under this 35 IAC 215.344(a) upon reasonable notice.

**3. Non-Applicability Determinations**

- a. The batch extraction process is not subject to National Emission Standard for Hazardous Air Pollutants (NESHAP) for Solvent Extraction for Vegetable Oil Production, 40 CFR 63 Subparts A and GGGG because, pursuant to 40 CFR 63.2832(b).
- b. This permit is issued based on the batch extraction process not being subject to 35 IAC 215 Subpart K, Use of Organic Material, because hexane is not a photochemically reactive material.

**4. Other Requirements**

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

**5. Reporting Requirements**

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

**a. Prompt Reporting**

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
  - I. Requirements in Conditions 4.1.2(a)(i), 4.1.2(b)(i), and 4.1.2(c)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.

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- D. Probable cause of the deviation.
- E. Corrective actions or preventative measures taken.

## 4.2 Continuous Extractor

### 1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Continuous Extractor	PM, VOM, HAP	2002	N/A	Scrubber, Dust Collector	N/A

### 2. Applicable Requirements

For the emission units in Condition 4.2.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

#### a. i. Opacity Requirements

- A. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122.

#### ii. Compliance Method (Opacity Requirements)

##### Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform quarterly visible emission observations of each individual stack and point of fugitive emissions of each grain handling operation identified in the Table 4.2.1 above in accordance with Method 22. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the operation, maintenance and repair, and/or adjustment of fuel usage. If corrective action was taken, the Permittee shall perform a follow up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9, the procedures in 40 CFR 60.11 and Section 7.1 of this permit shall be conducted within 48 hours in accordance with Condition 2.4.

##### Recordkeeping

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for all Method 9 and Method 22 opacity measurements and visible emissions observations made in accordance with Condition 4.2.2(a)(ii)(A). These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

#### b. i. Particulate Matter Requirements (PM)

- A. Pursuant to 35 IAC 212.321(a), the Permittee shall not cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, exceeds the allowable emission rates specified in subsection (c) of 35 IAC 212.321.

- B. Pursuant to Construction Permit #01100086, emissions of PM from the continuous extractor (which occurs at the dryer cooler which is controlled by the dust collector) shall not exceed 0.77 lb/hour and 3.40 tons/yr.[T1]

ii. Compliance Method (PM Requirements)

Monitoring

- A. Pursuant to 39.5(7)(a) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).
- B. Pursuant to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, the Continuous Extractor is subject to 40 CFR Part 64. The Permittee shall comply with the monitoring requirements of the CAM Plan described in Condition 7.8 and Table 7.8.1, pursuant to 40 CFR Part 64 as submitted in the Permittee's CAM plan application. At all times, the Owner or Operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment, pursuant to 40 CFR 64.7(a) and (b).

Recordkeeping

- C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of PM emissions with supporting calculations (lbs/hr and tons/yr).

c. i. **Volatile Organic Material Requirements (VOM)**

- A. Pursuant to 35 IAC 215.340, when processing soybeans, the Permittee shall not cause or allow emissions from the continuous extractor to exceed:
  - I. 0.0026 lbs of volatile organic material per pound of conventional soybean crush, and
  - II. 0.0052 lbs of volatile organic material per pound of specialty soybean crush.
- B. Pursuant to 35 IAC 215.342, when processing raw corn germ, the Permittee shall not cause or allow emissions from the continuous extractor to exceed 2.2 gals of volatile organic material per ton of raw corn germ processed.
- C. Pursuant to Construction Permit #01100086 and 40 CFR 63, Subpart B, the Permittee shall not allow VOM emissions from the extractor to exceed 77.1 tons/year.

ii. Compliance Method (VOM Requirements)

Monitoring

- A. Pursuant to Construction Permit #01100086, emissions of VOM from the continuous extractor shall be based on a monthly basis with the annual compliance determination made from the sum of the data for the current month plus the preceding 11 months (running 12 month total).
- B. Pursuant to 35 IAC 215.345(a), each day, the Permittee of shall calculate the sum of:
  - I. Total conventional soybean crush for the previous 180 days, in pounds, multiplied by 0.0026, plus

- II. Total specialty soybean crush for the previous 180 days, in pounds, multiplied by 0.0052.
- C. Pursuant to 35 IAC 215.345(b), each day, the Permittee shall calculate the sum of the total raw corn germ processed for the previous 180 days, in tons multiplied by 2.2.
  - I. Pursuant to 35 IAC 215.345(c), if such sum is less than the total decrease in solvent storage inventory over the previous 180 days, then the provisions of 35 IAC 215.340 or 215.342, whichever is applicable, shall be deemed to have been exceeded.
- D. Pursuant to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, the Continuous Extractor is subject to 40 CFR Part 64. The Permittee shall comply with the monitoring requirements of the CAM Plan described in Condition 7.8 and Table 7.8.2, pursuant to 40 CFR Part 64 as submitted in the Permittee's CAM plan application. At all times, the Owner or Operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment, pursuant to 40 CFR 64.7(a) and (b).

Recordkeeping

- E. Pursuant to Section 39.5(7)(b) of the Act, The Permittee shall maintain records of the following items for the continuous extraction process:
  - I. Monthly hexane usage (gallons);
  - II. Annual (calendar year) VOM emissions (tons);
  - III. The Permittee shall maintain daily records of solvent storage inventory, and conventional and specialty soybean crush or raw corn germ. Each day the total decrease in solvent storage inventory, and total conventional and specialty soybean crush or raw corn germ for the previous 180 days shall be calculated. The Illinois EPA shall have access to records required under this 35 IAC 215.344(a) upon reasonable notice.
- F. Pursuant to Construction Permit #01100086, the Permittee shall keep the following emission records for the continuous extractor:
  - I. VOM emissions (tons/month and tons/year);
  - II. Observations of opacity made using USEPA Method 9 by the Permittee's personnel or by qualified observers on its behalf (percent).

d. i. Hazardous Air Pollutant Requirements (HAP)

- A. Pursuant to Table 1 of 40 CFR 63.2840, allowable HAP solvent loss factors shall not exceed the following limits:
  - I. 0.2 gal/ton for conventional soybeans; and
  - II. 1.5 gal/ton for specialty soybeans.
  - III. 0.3 gal/ton for Corn Germ, Wet Milling.
  - IV. 0.7 gal/ton for Corn Germ, Dry Milling.
- B. Pursuant to 40 CFR 63.2840(a)(1) and 63.2840(c), the compliance ratio shall stay at or below 1.0 the ratio of actual HAP loss to allowable HAP loss.

- C. Pursuant to 40 CFR 63.2855, the quantity of oilseed processed shall be determined as follows:
- I. All oilseed measurements shall be determined on an as received basis, as defined in 40 CFR 63.2872. The as received basis refers to the oilseed chemical and physical characteristics as initially received by the source and prior to any oilseed handling and processing. By the end of each calendar month following an operating month, the Permittee shall determine the tons as received of each listed oilseed processed for the operating month. The total oilseed processed for an operating month includes the total of each oilseed processed during all normal operating periods that occur within the operating month. If the Permittee has determined the tons of oilseed processed for 12 or more operating months, then the Permittee shall also determine the 12 operating months rolling sum of each type oilseed processed by summing the tons of each type of oilseed processed for the previous 12 operating months. The 12 operating months rolling sum of each type of oilseed processed is used to calculate the compliance ratio as described in 40 CFR 63.2840.
  - II. To determine the tons as received of each type of oilseed processed at the source, the Permittee shall follow the procedures in the plan for demonstrating compliance to determine the items in 40 CFR 63.2855(a)(1) through (5).
- D. Pursuant to Construction Permit #01100086 and 40 CFR 63, Subpart B, the Permittee shall not allow HAP emissions from the extractor to exceed 77.1 tons/year.

ii. Compliance Method (HAP Requirements)

Monitoring

- A. Pursuant to 40 CFR 63.2853, the actual solvent loss shall be determined by the following procedures:
- I. By the end of each calendar month following an operating month, the Permittee shall determine the total solvent loss in gallons for the previous operating month. The total solvent loss for an operating month includes all solvent losses that occur during normal operating periods within the operating month. If the Permittee has determined solvent losses for 12 or more operating months, then the Permittee shall also determine the 12 operating months rolling sum of actual solvent loss in gallons by summing the monthly actual solvent loss for the previous 12 operating months. The 12 operating months rolling sum of solvent loss is the "actual solvent loss", which is used to calculate compliance ratio as described in 40 CFR 63.2840.
  - II. To determine the actual solvent loss, the Permittee shall follow the procedures in the plan for demonstrating compliance to determine the items in 40 CFR 63.2853(a)(1) through (5).
  - III. Pursuant to 40 CFR 63.2853(b), the equation shown in 60 CFR 63.2853(b) shall be used to determine the actual solvent loss for all normal operating periods recorded within a calendar month.
- B. Pursuant to 40 CFR 63.2854, the weighted average volume fraction of HAP in the actual solvent loss shall be determined by the following procedures established by 40 CFR 63.2854(b)(1) through (3):



- I. Record the volume fraction of each HAP comprising more than 1 percent by volume of the solvent in each delivery of solvent, including solvent recovered from off-site oil. To determine the HAP content of the material in each delivery of solvent, the reference method is EPA Method 311 of Appendix A of 40 CFR Part 60. The Permittee may use EPA Method 311, an approved alternative method, or any other reasonable means for determining the HAP content. Other reasonable means of determining HAP content include, but are not limited to, a material safety data sheet or a manufacturer's certificate of analysis. A certificate of analysis is a legal and binding document provided by a solvent manufacturer. The purpose of a certificate of analysis is to list the test methods and analytical results that determine chemical properties of the solvent and the volume percentage of all HAP components present in the solvent at quantities greater than 1 percent by volume. The Permittee is not required to test the materials it uses, but the Illinois EPA may require a test using EPA Method 311 (or an approved alternative method) to confirm the reported HAP content. However, if the results of an analysis by EPA Method 311 are different from the HAP content determined by another means, the EPA Method 311 results will govern compliance determinations.
- II. Determine the weighted average volume fraction of HAP in the extraction solvent each operating month. The weighted average volume fraction of HAP for an operating month includes all solvent received since the end of the last operating month, regardless of the operating status at the time of the delivery. Determine the monthly weighted average volume fraction of HAP by summing the products of the HAP volume fraction of each delivery and the volume of each delivery and dividing the sum by the total volume of all deliveries as expressed further in Equation 1. Record the result by the end of each calendar month following an operating month. Equation 1 is shown in 40 CFR 63.2854(b) (2).
- III. Determine the volume fraction of HAP in extraction solvent as a 12 operating months weighted average. When the source has processed oilseed for 12 operating months, sum the products of the monthly weighted average HAP volume fraction and corresponding volume of solvent received, and divide the sum by the total volume of solvent received for the 12 operating months, as expressed by Equation 2. Record the result by the end of each calendar month following an operating month and use it in Equation 2 of 40 CFR 63.2840 to determine the compliance ratio. Equation 2 is shown in 40 CFR 63.2854(b) (3).
- C. Pursuant to 40 CFR 63.2855(a), to determine the tons as received of each type of oilseed processed at the source, follow the procedures in the plan for demonstrating compliance to determine the items in 40 CFR 63.2855(a)(1) through (5).
- D. Pursuant to 40 CFR 63.2855(b), the equation shown in 40 CFR 63.2855(b) shall be used to determine the quantity of each oilseed type processed during normal operating periods recorded within a calendar month.
- E. Pursuant to Construction Permit #01100086, emissions of HAP from the continuous extractor shall be based on a monthly basis with the annual compliance determination made from the sum of the data for the current month plus the preceding 11 months (running 12 month total).
- F. Pursuant to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, the Continuous Extractor is subject to 40 CFR Part 64.

The Permittee shall comply with the monitoring requirements of the CAM Plan described in Condition 7.8 and Table 7.8.2, pursuant to 40 CFR Part 64 as submitted in the Permittee's CAM plan application. At all times, the Owner or Operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment, pursuant to 40 CFR 64.7(a) and (b).

Recordkeeping

- G. Pursuant to 40 CFR 63.2862(c) and (d), the Permittee shall keep the following records:
- I. For the solvent inventory, record the following information in accordance with the plan for demonstrating compliance:
    - 1. Dates that define each operating status period during a calendar month.
    - 2. The operating status of the source such as normal operation, nonoperating, initial startup period, malfunction period, or exempt operation for each recorded time interval.
    - 3. Record the gallons of extraction solvent in the inventory on the beginning and ending dates of each normal operating period.
    - 4. The gallons of all extraction solvent received, purchased, and recovered during each calendar month.
    - 5. All extraction solvent inventory adjustments, additions or subtractions. The Permittee shall document the reason for the adjustment and justify the quantity of the adjustment.
    - 6. The total solvent loss for each calendar month, regardless of the source operating status.
    - 7. The actual solvent loss in gallons for each operating month.
  - II. For the weighted average volume fraction of HAP in the extraction solvent:
    - 1. The gallons of extraction solvent received in each delivery.
    - 2. The volume fraction of each HAP exceeding 1 percent by volume in each delivery of extraction solvent.
    - 3. The weighted average volume fraction of HAP in extraction solvent received since the end of the last operating month as determined in accordance with 40 CFR 63.2854(b)(2).
  - III. For each type of listed oilseed processed, record the following items in accordance with the plan for demonstrating compliance:
    - 1. The dates that define each operating status period. These dates must be the same as the dates entered for the extraction solvent inventory.
    - 2. The operating status of the source such as normal operation, nonoperating, malfunction period, or exempt operation for each recorded time interval. On the log for each type of listed oilseed that is not being processed during a normal operating

period, record which type of listed oilseed is being processed in addition to the source operating status.

3. The oilseed inventory for the type of listed oilseed being processed on the beginning and ending dates of each normal operating period.
  4. The tons of each type of listed oilseed received at the source each normal operating period.
  5. All listed oilseed inventory adjustments, additions or subtractions for normal operating periods. You must document the reason for the adjustment and justify the quantity of the adjustment.
  6. The tons of each type of listed oilseed processed during each operating month.
- IV. Pursuant to 40 CFR 63.2862(d), after the source has processed listed oilseed for 12 operating months and is not operating during a malfunction period as described in 40 CFR 63.2850(e)(2), record the following items by the end of the calendar month following each operating month:
1. The 12 operating months rolling sum of the actual solvent loss in gallons as described in 40 CFR 63.2853(c).
  2. The weighted average volume fraction of HAP in extraction solvent received for the previous 12 operating months as described in 40 CFR 63.2854(b)(3).
  3. The 12 operating months rolling sum of each type of listed oilseed processed in tons as described in 40 CFR 63.2855(c).
  4. A determination of the compliance ratio. Using the values from 40 CFR 63.2853, 63.2854, 63.2855, and Table 1 of 40 CFR 63.2840, calculate the compliance ratio using Equation 2 of 40 CFR 63.2840.
  5. A statement of whether the source is in compliance with all of the requirements of 40 CFR Part 63 Subpart GGGG. This includes a determination of whether the source has met all of the applicable requirements in 40 CFR 63.2850
- H. Pursuant to Section 39.5(7)(b) of the Act, The Permittee shall maintain records of the following items for the continuous extraction process:
- I. Monthly hexane usage (gallons);
  - II. Annual (calendar year) HAP emissions (tons);
  - III. The Permittee shall maintain daily records of solvent storage inventory, and conventional and specialty soybean crush or raw corn germ. Each day the total decrease in solvent storage inventory, and total conventional and specialty soybean crush or raw corn germ for the previous 180 days shall be calculated. The Illinois EPA shall have access to records required under this 35 IAC 215.344(a) upon reasonable notice.
- I. Pursuant to Construction Permit #01100086, the Permittee shall keep the following emission records for the continuous extractor:

- I. HAP emissions (tons/month and tons/year);
- II. Monthly HAP Compliance ratio, with supporting calculations; and
- III. Observations of opacity made using USEPA Method 9 by the Permittee's personnel or by qualified observers on its behalf (percent).

e. i. **Work Practice and Control Requirements**

- A. Pursuant to 40 CFR 63.2851, the Permittee shall implement the requirements for a written plan for demonstrating compliance with 40 CFR Part 63, Subpart GGGG and incorporated by reference into this permit in Condition 3.2(a) of this permit.
- B. Pursuant to 40 CFR 63.2852, the Permittee shall implement SSM plan that provides detailed procedures for operating and maintaining the source to minimize emissions during a qualifying SSM event for which the source chooses the 40 CFR 63.2850(e)(2) malfunction period. The SSM plan must specify a program of corrective action for malfunctioning process and air pollution control equipment and reflect the best practices now in use by the industry to minimize emissions. Some or all of the procedures may come from plans the Permittee developed for other purposes such as a Standard Operating Procedure manual or an Occupational Safety and Health Administration Process Safety Management plan. To qualify as a SSM plan, other such plans must meet all the applicable requirements of 40 CFR Part 63, Subpart GGGG.
- C. Pursuant to Construction Permit #01100086, the continuous extractor shall not operate without the mineral oil scrubber or dust collector.
- D. Pursuant to Construction Permit #01100086, the Permittee shall monitor the following information for the mineral oil scrubber:
  - I. Pressure drop across the scrubber (inches of water);
  - II. Inlet gas temperature (Degrees F);
  - III. Inlet gas flow rate (scfm); and
  - IV. Scrubbant rate (gallons/minute).

ii. **Compliance Method (Work Practice Requirements)**

**Recordkeeping**

- A. See Condition 3.2(a) of this permit for the plan for demonstrating compliance.
- B. Pursuant to 40 CFR 63.2852, the Permittee shall keep the SSM plan on-site and readily available as long as the source is operational.
- C. Pursuant to 40 CFR 63.2862(e), for each SSM event subject to a malfunction period as described in 40 CFR 63.2850(e)(2), record the following items by the end of the calendar month following each month in which the initial startup period or malfunction period occurred:
  - I. A description and date of the SSM event, its duration, and reason it qualifies as an initial startup or malfunction.

- II. An estimate of the solvent loss in gallons for the duration of the initial startup or malfunction period with supporting documentation.
- III. A checklist or other mechanism to indicate whether the SSM plan was followed during the initial startup or malfunction period.
- D. Pursuant to Construction Permit #01100086, the Permittee shall maintain records of the following items for the continuous extractor:
  - I. Pressure drop across the scrubber (inches of water);
  - II. Inlet gas temperature (Degrees F);
  - III. Inlet gas flow rate (scfm);
  - IV. Scrubbant rate (gallons/minute); and
  - V. Operating records for the continuous extractor:
    - 1. Commodity(s) processed and rate (tons of commodity processed);
    - 2. Amount of extraction solvent used from inventory records (tons/month and tons/year);
    - 3. HAP content of extraction solvent with supporting documentation;
    - 4. Operating hours (hours/month); and
    - 5. Maintain an operating and maintenance log for the scrubber and the dust collector.
  - VI. The Permittee shall measure and record the pressure drop of the dust collector on at least a weekly basis.

### 3. Non-Applicability Determinations

- a. The continuous extractor is not subject to 35 IAC 215 Subpart K, Use of Organic Material, because hexane is not a photochemically reactive material.

### 4. Other Requirements

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

### 5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

#### a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
  - I. Requirements in Conditions 4.2.2(a)(i), 4.2.2(b)(i), 4.2.2(c)(i), 4.2.2(d)(i), and 4.2.2(e)(i).

- II. Requirements in Conditions 4.2.4(a)(i), 4.2.4(a)(ii), and 4.2.4(b)(ii).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.

**b. Federal Reporting**

- i. Pursuant to 40 CFR 63.2861, the first annual compliance certification is due 12 calendar months after the Permittee submit the notification of compliance status. Each subsequent annual compliance certification is due 12 calendar months after the previous annual compliance certification. The annual compliance certification provides the compliance status for each operating month during the 12 calendar months period ending 60 days prior to the date on which the report is due. Include the following information:
  - A. The name and address of the owner or operator.
  - B. The physical address of the vegetable oil production process.
  - C. Each listed oilseed type processed during the 12 calendar months period covered by the report.
  - D. Each HAP identified under 63.2854(a) as being present in concentrations greater than 1 percent by volume in each delivery of solvent received during the 12 calendar months period covered by the report.
  - E. A statement designating the source as a major source of HAP or a demonstration that the source qualifies as an area source. An area source is a source that is not a major source and is not collocated within a plant site with other sources that are individually or collectively a major source.
  - F. A compliance certification to indicate whether the source was in compliance for each compliance determination made during the 12 calendar months period covered by the report. For each such compliance determination, the Permittee must include a certification of the items following:
    - I. The Permittee is following the procedures described in the plan for demonstrating compliance.
    - II. The compliance ratio is less than or equal to 1.00.
- ii. Pursuant to 40 CFR 63.2861, the Permittee shall submit a deviation report for each compliance determination the Permittee make in which the compliance ratio exceeds

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1.00 as determined under 63.2840(c). Submit the deviation report by the end of the month following the calendar month in which the Permittee determined the deviation. The deviation notification report must include the following items:

- A. The name and address of the owner or operator.
- B. The physical address of the vegetable oil production process.
- C. Each listed oilseed type processed during the 12 operating months period for which the Permittee determined the deviation.
- D. The compliance ratio comprising the deviation. The Permittee may reduce the frequency of submittal of the deviation notification report if the agency responsible for these NESHAP does not object as provided in 63.10(e)(3)(iii).

### 4.3 Material Handling

#### 1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
(RG1) Raw Germ Dump Station	PM	1991	N/A	Dust Collector (DC1)	N/A
(RG2) Raw Germ Conveyor	PM	1994	N/A	Dust Collector (DC2)	N/A
(RG3) Germ Blending Emission Unit	PM	2002	N/A	Dust Collector (DC21)	N/A
(DG1) Finished Product Bin	PM	1978	N/A	Dust Collector (DC4)	N/A
(DG2) Finished Germ Conveyance	PM	1994	N/A	Dust Collector (DC5)	N/A
(DG3) Mill Room Feed Bin	PM	1978	N/A	Dust Collector (DC6)	N/A
(DG4) Mill Room Finished Product Bin	PM	1978	N/A	Dust Collector (DC7)	N/A
(DG5) Bagger and Metal Detection Unit	PM	1978	N/A	Dust Collectors (DC13 and DC14)	N/A
(DG6) Meal Particle Size Control Unit	PM	2002	N/A	Dust Collector (DC16)	N/A
(DG7) Packaging Unit	PM	2002	N/A	Dust Collectors (DC17 and DC18)	N/A
(DG8) Flour Particle Size Control Unit	PM	2002	N/A	Dust Collectors (DC19 and DC20)	N/A
(BG1) Silos 1 and 2	PM	1988	N/A	Dust Collectors (DC8A and DC8B)	N/A
(BG2) Silos 3 and 4	PM	1988	N/A	Dust Collectors (DC9A and DC9B)	N/A
(BG3) Silos 5 and 6	PM	1991	N/A	Dust Collectors (DC10A and DC10B)	N/A
(BG4) Silo 7	PM	2002	N/A	Dust Collector (DC22)	N/A

#### 2. Applicable Requirements

For the emission units in Condition 4.3.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

##### a. i. Opacity Requirements

- A. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122.
- B. Pursuant to 35 IAC 212.123(b), the emission of smoke or other particulate matter from emission units RG-3, DG-6, DG-8, and DG-7 may have an opacity greater than 30 percent but not greater than 60 percent for a period or periods aggregating 8 minutes in any 60 minute period provided that such opaque emissions permitted during any 60 minute period shall occur from only one such emission unit located within a 305 m (1000 ft) radius from the center point of any other such emission unit owned or operated by such person, and provided further that such opaque emissions permitted from each such emission unit shall be limited to 3 times in any 24 hour period.

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ii. Compliance Method (Opacity Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, the Permittee shall perform semi-annual visible emissions observations of each individual stack(s) associated with emission units, as described in the table of Condition 4.3(1) above in accordance with Method 22. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the operation, maintenance and repair, and/or adjustment of fuel usage. If corrective action was taken, the Permittee shall perform a follow up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and Section 7.1 shall be conducted within 7 days in accordance with Condition 2.4.

Recordkeeping

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for all Method 9 and Method 22 opacity measurements and visible emissions observations made in accordance with Condition 4.3.2(a)(ii)(A) above. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

b. i. Particulate Matter Requirements (PM)

- A. Pursuant to 35 IAC 212.321(a), the Permittee shall not cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, exceeds the allowable emission rates specified in subsection (c) of 35 IAC 212.321.
- B. Pursuant to Construction Permit #02030078, emissions of particulate matter from the material handling units shall not exceed the following limits:  
[T1]

<u>Emission Unit</u>	<u>Emissions</u>	
	<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
RG-3	0.13	1.28
DG-6	0.08	0.75
DG-7	0.15	1.50
DG-8	0.42	4.13

ii. Compliance Method (PM Requirements)

Monitoring

- A. Pursuant to Section 39.5(7)(b) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).
- B. Pursuant to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, the Material Handling is subject to 40 CFR Part 64. The

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Permittee shall comply with the monitoring requirements of the CAM Plan described in Condition 7.8 and Table 7.8.5, pursuant to 40 CFR Part 64 as submitted in the Permittee's CAM plan application. At all times, the Owner or Operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment, pursuant to 40 CFR 64.7(a) and (b)

Recordkeeping

B. Pursuant to Construction Permit #02030078, the Permittee shall maintain the following records:

I. PM emissions from the material handling units (tons/month and tons/year) with supporting calculations.

c. i. **Operational and Production Requirements**

A. Pursuant to Construction Permit #02030078, the maximum flow rate entering the dust collectors shall not exceed the following limits:

<u>Dust Collector</u>	<u>Flow Rate (scfm)</u>
DC-16	1,000
DC-17	1,000
DC-18	1,000
DC-19	4,500
DC-20	1,000
DC-21	1,000

B. Pursuant to Construction Permit #02030078, the material handling units shall not operate without the associated dust collectors as further described in Condition 4.3.1.

ii. Compliance Method (Operational and Production Requirements)

Monitoring

A. Pursuant to 39.5 (7) (a) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

B. Pursuant to Construction Permit #02030078, the Permittee shall maintain the following records:

I. The Permittee shall maintain a file documenting the maximum flow rate to each dust collector based on the design capacity of the fan (scfm).

II. The Permittee shall measure and record the pressure drop of each dust collector on at least a weekly basis.

**3. Non-Applicability Determinations**

As of the date of issuance of this permit, non-applicability of regulations of concern are not set for the material handling units.

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#### 4. Other Requirements

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

#### 5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

##### a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
  - I. Requirements in Conditions 4.3.2(a)(i), 4.3.2(b)(i), 4.3.2(c)(i), and 4.3.2(d)(i).
  - II. Requirements in Conditions 4.3.4(a)(i) and 4.3.4(a)(ii).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.

#### 4.4 Boilers

### 1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
South Boiler (B1) (33.475 mmBtu/hr) (Fuel oil as standby)	HAP, PM, CO, SO <sub>2</sub>	Prior to 1972	N/A	None	N/A
North Boiler (B2) (33.475 mmBtu/hr) (Fuel oil as standby)	HAP, PM, CO, SO <sub>2</sub>	Prior to 1972	N/A	None	N/A

### 2. Applicable Requirements

For the emission units in Condition 4.4.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

#### a. i. Opacity Requirements

- A. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122.

#### ii. Compliance Method (Opacity Requirements)

##### Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform observations for opacity on the boilers in accordance with Method 22 for visible emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the boilers, maintenance and repair, and/or adjustment of fuel usage. If corrective action was taken, the Permittee shall perform a follow up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and Section 7.1 shall be conducted within 7 days in accordance with Condition 2.4.

##### Recordkeeping

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for each observation for opacity conducted. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.
- C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for all opacity measurements made in accordance with USEPA Method 9.

#### b. i. Particulate Matter Requirements (PM)

- A. Pursuant to 35 IAC 212.206, the emissions of particulate matter (PM) into the atmosphere in any one hour period shall not exceed 0.15 kg/MW-hr (0.10

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lb/mmBtu) of actual heat input from the boilers when using liquid fuel exclusively.

ii. Compliance Method (PM Requirements)

Testing

- A. Pursuant to Section 39.5(7)(d), the boiler during fuel oil mode of operation shall be tested by using USEPA Method 1 to 4, 5 or USEPA approved test method, once every five years upon issuance of this permit.
- B. Pursuant to Section 39.5(7)(a), the Permittee shall also comply with the requirements in Section 7.1.

Recordkeeping

- C. Pursuant to Section 39.5(7)(a), the Permittee shall keep the records of each fuel combusted (mmscf/mo and mmscf/yr for natural gas; gal/mo and gal/yr for fuel oil).
- D. Pursuant to Section 39.5(7)(a), the Permittee shall keep the records of monthly and annual PM emissions when fired with natural gas and when fired with distillate fuel oil (pounds/hour, ton/month, and ton/year), including supporting calculations.
- E. Pursuant to Section 39.5(7)(a), the Permittee shall maintain records for hours of operation per calendar year for each mode of operation (fuel oil or natural gas, hr/yr).
- F. Pursuant to Section 39.5(7)(a), the Permittee shall also comply with the requirements in Section 7.1.

c. i. Sulfur Dioxide Requirements (SO<sub>2</sub>)

- A. Pursuant to 35 IAC 214.161(b), the emission of sulfur dioxide (SO<sub>2</sub>) into the atmosphere in any one hour period from the boilers when burning liquid fuel exclusively shall not exceed 0.46 kg of sulfur dioxide per MW-hr of actual heat input when distillate fuel oil is burned (0.3 lb/mmBtu).

ii. Compliance Method (SO<sub>2</sub> Requirements)

Monitoring

- A. Pursuant to Section 39.5(7)(d), the Permittee shall take the samples of sulfur content in the fuel oil mode by using ASTM D7039-07. Such samples shall be taken at least once per year of the fuel stored on site or from any new shipment of fuel oil received.

Testing

- B. Pursuant to Section 39.5(7)(d), the boiler during fuel oil mode of operation shall be tested by using USEPA Method 6 or USEPA approved method, once every five years upon issuance of this permit.
- C. Pursuant to Section 39.5(7)(a), the Permittee shall also comply with the requirements in Section 7.1.

Recordkeeping

- D. Pursuant to Section 39.5(7)(a), the Permittee shall keep the records of each fuel combusted.

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- E. Pursuant to Section 39.5(7)(a), the Permittee shall keep the records of monthly and annual SO<sub>2</sub> emissions when fired with natural gas and when fired with distillate fuel oil, including supporting calculations (pounds/hour, ton/month, and ton/year).
- F. Pursuant to Section 39.5(7)(a), the Permittee shall keep the records of sulfur content in the fuel oil.

d. i. **Carbon Monoxide Requirements (CO)**

- A. Pursuant to 35 IAC 216.121, no person shall cause or allow the emission of carbon monoxide (CO) into the atmosphere from any fuel combustion emission source with actual heat input greater than 2.9 MW (10 mmBtu/hr) to exceed 200 ppm, corrected to 50 percent excess air.

ii. **Compliance Method (CO Requirements)**  
**Monitoring**

- A. For sufficient monitoring, see also Condition 4.4.2(f)(i) and (f)(ii).

e. i. **Operational and Production Requirements**

- A. Pursuant to 39.5(7)(b) of the Act, the Permittee shall not use distillate fuel oil #2 in the boilers with a sulfur content greater than the larger of the following two values:

- I. 0.28 weight percent, or
- II. The Wt. percent given by the formula: Maximum Wt. percent sulfur = (0.000015) x (Gross heating value of oil, Btu/lb).

ii. **Compliance Method (Operational and Production Requirements)**  
**Recordkeeping**

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the following:
  - I. Type of fuel combusted in each boiler;
  - II. The maximum sulfur content (in Wt. %) for each shipment of distillate fuel oil used in the boilers; and

f. i. **Work Practice Requirements**

- A. Pursuant to 40 CFR 63.7500(a)(1) and 40 CFR 63 Subpart DDDDD Table 3, the Permittee shall conduct a tune-up of the boilers biennially beginning no later than January 31, 2016, as specified in 40 CFR 63.7540. Pursuant to 40 CFR 63.7515(d), each biennial tune-up must be no more than 25 months after the previous tune-up. Pursuant to 40 CFR 63.7540(a)(13), if the boiler is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.
- B. Pursuant to 40 CFR 63.7540(a)(11), each biennial tune-up shall consist of:
  - I. As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the Permittee may delay the burner inspection until the next scheduled unit shutdown, but the Permittee must inspect each burner at least once every 36 months).

- II. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.
- III. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly. The Permittee may delay the inspection until the next scheduled unit shutdown.
- IV. Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available.
- V. Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made).

ii. Compliance Method (Work Practice Requirements)

Recordkeeping

- A. Pursuant to 40 CFR 63.7540(a)(11), maintain records of each tune-up as follows:
  - I. The concentrations of carbon monoxide in the effluent streams in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater.
  - II. A description of any corrective actions taken as a part of the tune-up.
  - III. The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit.
- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of the reporting requirements of 40 CFR 63.7550. See also Condition 4.4.4(b).

<b>3. Non-Applicability Determinations</b>
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- a. Each boiler is not subject to 35 IAC 217.141, emissions of nitrogen oxides from existing fuel combustion emission sources in major metropolitan areas, because the actual heat input of the boilers is less than 73.2 MW (250 mmBtu/hr).
- b. The provisions of 35 IAC 215.301 and 302, Use of Organic Material, shall not apply to fuel combustion emission sources. [35 IAC 215.303]
- c. The boilers are not subject to 40 CFR Part 60, Subparts Db or Dc, because they were constructed prior to June 9, 1989.
- d. The boilers are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) because they do not use control devices.

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#### 4. Other Requirements

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

#### 5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

##### a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
  - I. Requirements in Conditions 4.4.2(a)(i), 4.4.2(b)(i), 4.4.2(c)(i), 4.4.2(d)(i), 4.4.2(e)(i), and 4.4.2(f)(i).
  - II. Requirements in Conditions 4.4.4(a)(i) and 4.4.4(a)(ii).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.

##### b. Federal Reporting

- i. The Permittee shall submit the annual compliance reports, pursuant to 40 CFR 63.7550(b), no later than January 31 of each year following the compliance date of January 31, 2016.
- ii. The annual compliance reports shall contain the information required by 40 CFR 63.7550(c)(1) through (5).



## Section 5 - Additional Title I Requirements

This Section is reserved for Title I requirements not specified in Sections 3 or 4. As of the date of issuance of this permit, there are no Title I requirements that need to be separately addressed in this Section.

## Section 6 - Insignificant Activities Requirements

### 1. Insignificant Activities Subject to Specific Regulations

This condition is reserved for insignificant activities, as defined in 35 IAC 201.210 and 201.211, which are subject to specific standards promulgated pursuant Sections 111, 112, 165, or 173 of the Clean Air Act, see Sections 9.1(d) and 39.5(6)(a) of the Act. As of the date of issuance of this permit, there are no such insignificant activities present at the source.

### 2. Insignificant Activities in 35 IAC 201.210(a)

In addition to any insignificant activities identified in Condition 6.1, the following additional activities at the source constitute insignificant activities pursuant to 35 IAC 201.210 and 201.211:

<i>Insignificant Activity</i>	<i>Number of Units</i>	<i>Insignificant Activity Category</i>
Fugitive HAP Emissions from Leaking Equipment Components, Such as Pump Seals and Flanges	2	35 IAC 201.210(a)(1) and 201.211
Oil Plant Hexane Stripping Unit	0	35 IAC 201.210(a)(1) and 201.211
Hexane Storage Tanks	2	35 IAC 201.210(a)(1) and 201.211
Fuel Oil #2 Storage Tank	1	35 IAC 201.210(a)(2) or (a)(3)
Bulk Truck Loadout	1	35 IAC 201.210(a)(2) or (a)(3)
Fugitive VOM Emissions from Leaking Equipment Components, Such as Pump Seals and Flanges	1	35 IAC 201.210(a)(2) or (a)(3)

### 3. Insignificant Activities in 35 IAC 201.210(b)

Pursuant to 35 IAC 201.210, the source has identified insignificant activities as listed in 35 IAC 201.210(b)(1) through (28) as being present at the source. The source is not required to individually list the activities.

### 4. Applicable Requirements

Insignificant activities in Conditions 6.1 and 6.2 are subject to the following general regulatory limits notwithstanding status as insignificant activities. The Permittee shall comply with the following requirements, as applicable:

- a. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided in 35 IAC 212.123(b).
- b. Pursuant to 35 IAC 212.321 or 212.322 (see Conditions 7.2(a) and (b)), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units at a source or premises, exceed the allowable emission rates specified 35 IAC 212.321 or 212.322 and 35 IAC Part 266.
- c. Pursuant to 35 IAC 214.301, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission source to exceed 2,000 ppm, except as provided in 35 IAC Part 214.
- d. Pursuant to 35 IAC 215.301, no person shall cause or allow the discharge of more than 8 lbs/hr of organic material into the atmosphere from any emission source, except as provided in 35 IAC 215.302, 215.303, 215.304 and the following exception: If no odor

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nuisance exists the limitation of 35 IAC 215 Subpart K shall apply only to photochemically reactive material.

- e. Pursuant to 35 IAC 215.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 250 gal, unless such tank is equipped with a permanent submerged loading pipe, submerged fill, or an equivalent device approved by the IEPA according to 35 IAC Part 201 or unless such tank is a pressure tank as described in 35 IAC 215.121(a) or is fitted with a recovery system as described in 35 IAC 215.121(b)(2). Exception as provided in 35 IAC 215.122(c): If no odor nuisance exists the limitations of 35 IAC 215.122 shall only apply to the loading of volatile organic liquid with a vapor pressure of 2.5 psia or greater at 70°F.

## 5. Compliance Method

Pursuant to Section 39.5(7)(b) of the Act, the source shall maintain records of the following items for the insignificant activities in Conditions 6.1 and 6.2:

- a. List of all insignificant activities, including insignificant activities added as specified in Condition 6.6, the categories the insignificant activities fall under, and supporting calculations as needed for any insignificant activities listed in 35 IAC 201.210(a)(1) through (3).
- b. Potential to emit emission calculations before any air pollution control device for any insignificant activities listed in 35 IAC 201.210(a)(1) through (3).

## 6. Notification Requirements for Insignificant Activities

The source shall notify the IEPA accordingly to the addition of insignificant activities:

### a. Notification 7 Days in Advance

- i. Pursuant to 35 IAC 201.212(b), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a)(1) and 201.211 and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. Addresses are included in Attachment 3. The notification shall include the following pursuant to 35 IAC 201.211(b):
  - A. A description of the emission unit including the function and expected operating schedule of the unit.
  - B. A description of any air pollution control equipment or control measures associated with the emission unit.
  - C. The emissions of regulated air pollutants in lb/hr and ton/yr.
  - D. The means by which emissions were determined or estimated.
  - E. The estimated number of such emission units at the source.
  - F. Other information upon which the applicant relies to support treatment of such emission unit as an insignificant activity.
- ii. Pursuant to 35 IAC 201.212(b), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a)(2) through 201.210(a)(18) and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. Addresses are included in Attachment 3.

- iii. Pursuant to Sections 39.5(12)(a)(i)(b) and 39.5(12)(b)(iii) of the Act, the permit shield described in Section 39.5(7)(j) of the Act (see Condition 2.7) shall not apply to any addition of an insignificant activity noted above.

**b. Notification Required at Renewal**

Pursuant to 35 IAC 201.212(a) and 35 IAC 201.146(kkk), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a) and is currently identified in Conditions 6.1 or 6.2, a notification is not required until the renewal of this permit.

**c. Notification Not Required**

Pursuant to 35 IAC 201.212(c) and 35 IAC 201.146(kkk), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(b) as describe in Condition 6.3, a notification is not required.

## Section 7 - Other Requirements

### 1. Testing

- a. Pursuant to Section 39.5(7)(a) of the Act, a written test protocol shall be submitted at least sixty (60) days prior to the actual date of testing, unless it is required otherwise in applicable state or federal statutes. The IEPA may at the discretion of the Compliance Section Manager (or designee) accept protocol less than 60 days prior to testing provided it does not interfere with the IEPA's ability to review and comment on the protocol and does not deviate from the applicable state or federal statutes. The protocol shall be submitted to the IEPA, Compliance Section and IEPA, Stack Test Specialist for its review. Addresses are included in Attachment 3. This protocol shall describe the specific procedures for testing, including as a minimum:
  - i. The name and identification of the emission unit(s) being tested.
  - ii. Purpose of the test, i.e., permit condition requirement, IEPA or USEPA requesting test.
  - iii. The person(s) who will be performing sampling and analysis and their experience with similar tests.
  - iv. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and the means by which the operating parameters for the emission unit and any control equipment will be determined.
  - v. The specific determinations of emissions and operation which are intended to be made, including sampling and monitoring locations.
  - vi. The test method(s) that will be used, with the specific analysis method, if the method can be used with different analysis methods. Include if emission tests averaging of 35 IAC 283 will be used.
  - vii. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.
  - viii. Any proposed use of an alternative test method, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.
  - ix. Sampling of materials, QA/QC procedures, inspections, etc.
- b. The IEPA, Compliance Section shall be notified prior to these tests to enable the IEPA to observe these tests pursuant to Section 39.5(7)(a) of the Act as follows:
  - i. Notification of the expected date of testing shall be submitted in writing a minimum of thirty (30) days prior to the expected test date, unless it is required otherwise in applicable state or federal statutes.
  - ii. Notification of the actual date and expected time of testing shall be submitted in writing a minimum of five (5) working days prior to the actual date of the test. The IEPA may at its discretion of the Compliance Section Manager (or designee) accept notifications with shorter advance notice provided such notifications will not interfere with the IEPA's ability to observe testing.
- c. Copies of the Final Report(s) for these tests shall be submitted to the IEPA, Compliance Section within fourteen (14) days after the test results are compiled and finalized but

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no later than ninety (90) days after completion of the test, unless it is required otherwise in applicable state or federal statutes or the IEPA may at the discretion of the Compliance Section Manager (or designee) an alternative date is agreed upon in advance pursuant to Section 39.5(7)(a) of the Act. The Final Report shall include as a minimum:

- i. General information including emission unit(s) tested.
  - ii. A summary of results.
  - iii. Discussion of conditions during each test run (malfunction/breakdown, startup/shutdown, abnormal processing, etc.).
  - iv. Description of test method(s), including description of sampling points, sampling train, analysis equipment, and test schedule.
  - v. Detailed description of test conditions, including:
    - A. Process information, i.e., mode(s) of operation, process rate, e.g. fuel or raw material consumption.
    - B. Control equipment information, i.e., equipment condition and operating parameters during testing.
    - C. A discussion of any preparatory actions taken, i.e., inspections, maintenance and repair.
  - vi. Data and calculations, including copies of all raw data sheets and records of laboratory analyses, sample calculations, and data on equipment calibration.
  - vii. An explanation of any discrepancies among individual tests or anomalous data.
  - viii. Results of the sampling of materials, QA/QC procedures, inspections, etc.
  - ix. Discussion of whether protocol was followed and description of any changes to the protocol if any occurred.
  - x. Demonstration of compliance showing whether test results are in compliance with applicable state or federal statutes.
- d. Copies of all test reports and other test related documentation shall be kept on site as required by Condition 2.5(b) pursuant to Section 39.5(7)(e)(ii) of the Act.

<b>2. PM Process Weight Rate Requirements</b>
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**a. New Process Emission Units - 35 IAC 212.321**

New Process Emission Units For Which Construction or Modification Commenced On or After April 14, 1972. [35 IAC 212.321]

- i. No person shall cause or allow the emission of PM into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of PM from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, exceeds the allowable emission rates specified in 35 IAC 212.321(c). See Condition 7.2(a)(iii) below. [35 IAC 212.321(a)]
- ii. Interpolated and extrapolated values of the data in 35 IAC 212.321(c) shall be determined by using the equation: [35 IAC 212.321(b)]

$$E = A(P)^B$$

Where:

P = Process weight rate (T/hr)  
E = Allowable emission rate (lbs/hr)

A. Process weight rates of less than 450 T/hr:

A = 2.54  
B = 0.53

B. Process weight rates greater than or equal to 450 T/hr:

A = 24.8  
B = 0.16

iii. Limits for New Process Emission Units: [35 IAC 212.321(c)]

<u>P</u> <u>(T/hr)</u>	<u>E</u> <u>(lbs/hr)</u>	<u>P</u> <u>(T/hr)</u>	<u>E</u> <u>(lbs/hr)</u>
0.05	0.55	25.00	14.00
0.10	0.77	30.00	15.60
0.20	1.10	35.00	17.00
0.30	1.35	40.00	18.20
0.40	1.58	45.00	19.20
0.50	1.75	50.00	20.50
0.75	2.40	100.00	29.50
1.00	2.60	150.00	37.00
2.00	3.70	200.00	43.00
3.00	4.60	250.00	48.50
4.00	5.35	300.00	53.00
5.00	6.00	350.00	58.00
10.00	8.70	400.00	62.00
15.00	10.80	450.00	66.00
20.00	12.50	500.00	67.00

**b. Existing Process Emission Units - 35 IAC 212.322**

Existing Process Emission Units For Which Construction or Modification Commenced Prior to April 14, 1972. [35 IAC 212.322]

- i. No person shall cause or allow the emission of PM into the atmosphere in any one hour period from any process emission unit for which construction or modification commenced prior to April 14, 1972, which, either alone or in combination with the emission of PM from all other similar process emission units at a source or premises, exceeds the allowable emission rates specified in 35 IAC 212.322(c)). See Condition 7.2(b)(iii) below. [35 IAC 212.322(a)]
- ii. Interpolated and extrapolated values of the data in 35 IAC 212.322(c) shall be determined by using the equation: [35 IAC 212.322(b)]

$$E = C + A(P)^B$$

Where:

P = Process weight rate (T/hr)  
E = Allowable emission rate (lbs/hr)

A. Process weight rates of less than 450 T/hr:

A = 4.10  
B = 0.67  
C = 0

B. Process weight rates greater than or equal to 450 T/hr:

A = 55.0  
B = 0.11  
C = -40.0

iii. Limits for Existing Process Emission Units: [35 IAC 212.322(c)]

<u>P</u> <u>(T/hr)</u>	<u>E</u> <u>(lbs/hr)</u>	<u>P</u> <u>(T/hr)</u>	<u>E</u> <u>(lbs/hr)</u>
0.05	0.55	25.00	35.40
0.10	0.87	30.00	40.00
0.2	1.40	35.00	41.30
0.30	1.83	40.00	42.50
0.40	2.22	45.00	43.60
0.50	2.58	50.00	44.60
0.75	3.38	100.00	51.20
1.00	4.10	150.00	55.40
2.00	6.52	200.00	58.60
3.00	8.56	250.00	61.00
4.00	10.40	300.00	63.10
5.00	12.00	350.00	64.90
10.00	19.20	400.00	66.20
15.00	25.20	450.00	67.70
20.00	30.50	500.00	69.00



**3. 40 CFR 63 Subpart A Requirements (NESHAP)**

**a. 40 CFR 63 Subpart A and GGGG - Natural Emission Standards for Hazardous Air Pollutants:  
Solvent Extraction for Vegetable Oil Production**

Pursuant to 40 CFR 63 Subpart A and GGGG, the Permittee shall comply with the following applicable General Provisions as indicated:

<i>General Provision Citation</i>	<i>Subject of Citation</i>	<i>Applies to subpart GGGG</i>
40 CFR 63.1	Applicability	Yes
40 CFR 63.2	Definitions	Yes
40 CFR 63.3	Units and abbreviations	Yes
40 CFR 63.4	Prohibited activities and circumvention	Yes
40 CFR 63.5	Construction/reconstruction	Yes
40 CFR 63.5(c)	[Reserved]	
40 CFR 63.5(d)(1)(ii)(H)	Application for approval	No
40 CFR 63.5(d)(1)(ii)(I)	[Reserved]	
40 CFR 63.5(d)(1)(iii), (d)(2), (d)(3)(ii)		No
40 CFR 63.6	Applicability of General Provisions	Yes
40 CFR 63.6(b)(1)-(3)	Compliance dates, new and reconstructed sources	No
40 CFR 63.6(b)(6)	[Reserved]	
40 CFR 63.6(c)(3)-(4)	[Reserved]	
40 CFR 63.6(d)	[Reserved]	
40 CFR 63.6(e)(1) through (e)(3)(ii) and 40 CFR 63.6(e)(3)(v) through (vii)	Operation and maintenance requirements	Yes
40 CFR 63.6(e)(3)(iii)	Operation and maintenance requirements	No
40 CFR 63.6(e)(3)(iv)	Operation and maintenance requirements	No
40 CFR 63.6(e)(3)(viii)	Operation and maintenance requirements	Yes
40 CFR 63.6(e)(3)(ix)	Title V permit	Yes
40 CFR 63.6(f)-(g)	Compliance with nonopacity emission standards except during SSM	No
40 CFR 63.6(h)	Opacity/Visible emission (VE) standards	No

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**Section 7 - Other Requirements**  
**7.3 - 40 CFR 63 Subpart A**  
**Requirements (NESHAP)**

<i>General Provision</i> <i>Citation</i>	<i>Subject of Citation</i>	<i>Applies to subpart GGGG</i>
40 CFR 63.6(i)	Compliance extension	Yes
40 CFR 63.6(j)	Presidential compliance exemption	Yes
40 CFR 63.7	Performance testing requirements	Yes
40 CFR 63.8	Monitoring requirements	No
40 CFR 63.9	Notification requirements	Yes
40 CFR 63.9(b)(2)	Notification requirements	No
40 CFR 63.9(b)(3)-(5)	Notification requirements	Yes
40 CFR 63.9(e)	Notification of performance test	Yes
40 CFR 63.9(f)	Notification of VE/opacity observations	No
40 CFR 63.9(g)	Additional notifications when using a continuous monitoring system (CMS)	No
40 CFR 63.9(h)	Notification of compliance status	No
40 CFR 63.10	Recordkeeping/reporting	Yes
40 CFR 63.10(b)(2)(i)	Recordkeeping	Yes
40 CFR 63.10(b)(2)(ii)-(iii)	Recordkeeping	No
40 CFR 63.10(b)(2)(vi)	Recordkeeping	No
40 CFR 63.10(b)(2)(viii)-(ix)	Recordkeeping	Yes
40 CFR 63.10(b)(2)(x)-(xii)	Recordkeeping	No
40 CFR 63.10(c)	Recordkeeping	No
40 CFR 63.10(d)(2)	Reporting	Yes
40 CFR 63.10(d)(3)	Reporting	No
40 CFR 63.10(d)(4)	Reporting	Yes
40 CFR 63.10(d)(5)	Reporting	No
40 CFR 63.10(e)	Reporting	No
40 CFR 63.11	Control device requirements	Yes
40 CFR 63.12	State authority and delegations	Yes
40 CFR 63.13	State/regional addresses	Yes

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Section 7 - Other Requirements  
7.3 - 40 CFR 63 Subpart A  
Requirements (NESHAP)

<i>General Provision Citation</i>	<i>Subject of Citation</i>	<i>Applies to subpart GGGG</i>
40 CFR 63.14	Incorporation by reference	Yes
40 CFR 63.15	Availability of information and confidentiality	Yes

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**b. 40 CFR 63 Subpart A and DDDDD - Boilers National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters**

Pursuant to 40 CFR 63 Subpart A and DDDDD, the Permittee shall comply with the following applicable General Provisions as indicated:

<i>General Provision Citation</i>	<i>Subject of Citation</i>	<i>Applies to subpart DDDDD</i>
40 CFR 63.1	General Applicability of the General Provisions	Yes
40 CFR 63.2	Definitions	Yes. Additional terms defined in 40 CFR 63.7575
40 CFR 63.3	Units and Abbreviations	Yes
40 CFR 63.4	Prohibited Activities and Circumvention	Yes
40 CFR 63.5	Preconstruction Review and Notification Requirements	Yes
40 CFR 63.6(a), (b) (1)-(b) (5), (b) (7), (c)	Compliance with Standards and Maintenance Requirements	Yes
40 CFR 63.6(e) (1) (i)	General duty to minimize emissions	No. See 40 CFR 63.7500(a)(3) for the general duty requirement.
40 CFR 63.6(e) (1) (ii)	Requirement to correct malfunctions as soon as practicable	No
40 CFR 63.6(e) (3)	Startup, shutdown, and malfunction plan requirements	No
40 CFR 63.6(f) (1)	Startup, shutdown, and malfunction exemptions for compliance with non-opacity emission standards	No
40 CFR 63.6(f) (2) and (3)	Compliance with non-opacity emission standards	Yes
40 CFR 63.6(g)	Use of alternative standards	Yes
40 CFR 63.6(h) (1)	Startup, shutdown, and malfunction exemptions to opacity standards	No. See 40 CFR 63.7500(a).
40 CFR 63.6(h) (2) to (h) (9)	Determining compliance with opacity emission standards	Yes
40 CFR 63.6(i)	Extension of compliance	Yes. Note: Facilities may also request extensions of compliance for the installation of combined heat and power, waste heat recovery, or gas pipeline or fuel feeding infrastructure as a means of complying with this subpart.
40 CFR 63.6(j)	Presidential exemption	Yes
40 CFR 63.7(a), (b), (c), and (d)	Performance Testing Requirements	Yes
40 CFR 63.7(e) (1)	Conditions for conducting performance tests	No. Subpart DDDDD specifies conditions for conducting performance tests at 40 CFR 63.7520(a) to (c).
40 CFR 63.7(e) (2)-(e) (9), (f), (g), and (h)	Performance Testing Requirements	Yes
40 CFR 63.8(a) and (b)	Applicability and Conduct of Monitoring	Yes

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**Section 7 - Other Requirements**  
**7.3 - 40 CFR 63 Subpart A**  
**Requirements (NESHAP)**

<i>General Provision Citation</i>	<i>Subject of Citation</i>	<i>Applies to subpart DDDDD</i>
40 CFR 63.8(c)(1)	Operation and maintenance of CMS	Yes
40 CFR 63.8(c)(1)(i)	General duty to minimize emissions and CMS operation	No. See 40 CFR 63.7500(a)(3).
40 CFR 63.8(c)(1)(ii)	Operation and maintenance of CMS	Yes
40 CFR 63.8(c)(1)(iii)	Startup, shutdown, and malfunction plans for CMS	No
40 CFR 63.8(c)(2) to (c)(9)	Operation and maintenance of CMS	Yes
40 CFR 63.8(d)(1) and (2)	Monitoring Requirements, Quality Control Program	Yes
40 CFR 63.8(d)(3)	Written procedures for CMS	Yes, except for the last sentence, which refers to a startup, shutdown, and malfunction plan. Startup, shutdown, and malfunction plans are not required.
40 CFR 63.8(e)	Performance evaluation of a CMS	Yes
40 CFR 63.8(f)	Use of an alternative monitoring method.	Yes
40 CFR 63.8(g)	Reduction of monitoring data	Yes
40 CFR 63.9	Notification Requirements	Yes
40 CFR 63.10(a), (b)(1)	Recordkeeping and Reporting Requirements	Yes
40 CFR 63.10(b)(2)(i)	Recordkeeping of occurrence and duration of startups or shutdowns	Yes
40 CFR 63.10(b)(2)(ii)	Recordkeeping of malfunctions	No. See 40 CFR 63.7555(d)(7) for recordkeeping of occurrence and duration and 40 CFR 63.7555(d)(8) for actions taken during malfunctions.
40 CFR 63.10(b)(2)(iii)	Maintenance records	Yes
40 CFR 63.10(b)(2)(iv) and (v)	Actions taken to minimize emissions during startup, shutdown, or malfunction	No
40 CFR 63.10(b)(2)(vi)	Recordkeeping for CMS malfunctions	Yes
40 CFR 63.10(b)(2)(vii) to (xiv)	Other CMS requirements	Yes
40 CFR 63.10(b)(3)	Recordkeeping requirements for applicability determinations	No
40 CFR 63.10(c)(1) to (9)	Recordkeeping for sources with CMS	Yes
40 CFR 63.10(c)(10) and (11)	Recording nature and cause of malfunctions, and corrective actions	No. See 40 CFR 63.7555(d)(7) for recordkeeping of occurrence and duration and 40 CFR 63.7555(d)(8) for actions taken during malfunctions.
40 CFR 63.10(c)(12) and (13)	Recordkeeping for sources with CMS	Yes
40 CFR 63.10(c)(15)	Use of startup, shutdown, and malfunction plan	No
40 CFR 63.10(d)(1) and (2)	General reporting requirements	Yes

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**Section 7 - Other Requirements**  
**7.3 - 40 CFR 63 Subpart A**  
**Requirements (NESHAP)**

<i>General Provision Citation</i>	<i>Subject of Citation</i>	<i>Applies to subpart DDDDD</i>
40 CFR 63.10(d) (3)	Reporting opacity or visible emission observation results	No
40 CFR 63.10(d) (4)	Progress reports under an extension of compliance	Yes
40 CFR 63.10(d) (5)	Startup, shutdown, and malfunction reports	No. See 40 CFR 63.7550(c) (11) for malfunction reporting requirements.
40 CFR 63.10(e)	Additional reporting requirements for sources with CMS	Yes
40 CFR 63.10(f)	Waiver of recordkeeping or reporting requirements	Yes
40 CFR 63.11	Control Device Requirements	No
40 CFR 63.12	State Authority and Delegation	Yes
40 CFR 63.13-63.16	Addresses, Incorporation by Reference, Availability of Information, Performance Track Provisions	Yes
40 CFR 63.1(a) (5), (a) (7)-(a) (9), (b) (2), (c) (3)-(4), (d), 63.6(b) (6), (c) (3), (c) (4), (d), (e) (2), (e) (3) (ii), (h) (3), (h) (5) (iv), 63.8(a) (3), 63.9(b) (3), (h) (4), 63.10(c) (2)-(4), (c) (9).	Reserved	No

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#### 4. Compliance Assurance Monitoring (CAM) Requirements

##### a. CAM Provisions

###### i. Proper Maintenance

Pursuant to 40 CFR 64.7(b), at all times, the source shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

###### ii. Continued Operation

Pursuant to 40 CFR 64.7(c), except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the source shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit (PSEU) is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of 40 CFR Part 64, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The source shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

###### iii. Response to Excursions or Exceedances

A. Pursuant to 40 CFR 64.7(d)(1), upon detecting an excursion or exceedance, the source shall restore operation of the PSEU (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

B. Pursuant to 40 CFR 64.7(d)(2), determination of whether the source has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device.

##### b. Monitoring - Monitoring

Pursuant to 40 CFR 64.7(a), the source shall comply with the monitoring requirements of the CAM Plans as described in 7.4(e) below, pursuant to 40 CFR Part 64 as submitted in the source's CAM plan application.

c. **Monitoring - Recordkeeping**

Pursuant to 40 CFR 64.9(b)(1), the source shall maintain records of the monitoring data, monitor performance data, corrective actions taken, monitoring equipment maintenance, and other supporting information related to the monitoring requirements established for CAM.

d. **Monitoring - Reporting**

Pursuant to Sections 39.5(7)(b) and (f) of the Act, the source shall submit the following reporting requirements:

i. **Semiannual Reporting**

As part of the required Semiannual Monitoring Reports, the source shall submit a CAM report including the following at a minimum:

- A. Summary information on the number, duration, and cause of excursions or exceedances, and the corrective actions taken pursuant to 40 CFR 64.6(c)(3) and 64.9(a)(2)(i).
- B. Summary information on the number, duration, and cause for monitoring equipment downtime incidents, other than downtime associated with calibration checks pursuant to 40 CFR 64.6(c)(3) and 64.9(a)(2)(ii).

e. **CAM Plans**

The following tables contain the CAM Plans in this CAAPP permit:

Table	Emission Unit Section	PSEU Designation	Pollutant
7.8.1	4.2	Continuous Extractor	PM
7.8.2	4.2	Continuous Extractor	VOM/HAP



**Table 7.8.1 - CAM Plan**

Emission Unit Section:		4.2
PSEU Designation:		Continuous Extractor HE2
Pollutant:		PM
Indicators:	#1) Germ Blending RG3 Pressure Drop (PM)	
<b>General Criteria</b>		
The Monitoring Approach Used to Measure the Indicators:	Manual inspect the pressure drop of the pulse air on the Germ Blending system.	
The Indicator Range Which Provides a Reasonable Assurance of Compliance:	0.1 - 8 inches of water	
Quality Improvement Plan (QIP) Threshold Levels:	N/A	
<b>Performance Criteria</b>		
The Specifications for Obtaining Representative Data:	Manual inspection of the pulse air and record.	
Verification Procedures to Confirm the Operational Status of the Monitoring:	Record readings from Magnahelic gauges.	
Quality Assurance and Quality Control (QA/QC) Practices that Ensure the Validity of the Data:	Calibration of the gauge using manufactures specified procedures.	
The Monitoring Frequency:	At least weekly.	
The Data Collection Procedures That Will Be Used:	Checklist	
The Data Averaging Period For Determining Whether an Excursion or Exceedance Has Occurred:	None. (Note: If any reading is out of range and appropriate inspection will be performed and any adjustments or repairs will be made).	

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**Table 7.8.2 - CAM Plan**

Emission Unit Section:	4.2	
PSEU Designation:	Continuous Extractor HE2	
Pollutant:	VOM/HAP	
Indicators:	(1) Scrubbant Rate (VOM and HAP)	
<b>General Criteria</b>		
The Monitoring Approach Used to Measure the Indicators:	Check the emissions from the continuous extractor operating records and Hexane inventory.	
The Indicator Range Which Provides a Reasonable Assurance of Compliance:	1. -2.5" water column for Vacuum (W.C) 2. Inlet Gas Temp between 210 to 220°F 3. Record Fan Speed (hz) 4. Calculate Inlet Gas Flow (scfm) using conversion chart. 5. Scrubbant Rate (gal./min) 6. Vent Gas Reading (ppm)	
Quality Improvement Plan (QIP) Threshold Levels:	N/A	
<b>Performance Criteria</b>		
The Specifications for Obtaining Representative Data:	Preprinted inspection checklist.	
Verification Procedures to Confirm the Operational Status of the Monitoring:	Record readings from the column gauge, Magnahelic gauges, and the organic vapor monitor.	
Quality Assurance and Quality Control (QA/QC) Practices that Ensure the Validity of the Data:	Calibration of the gauge using manufactures specified procedures.	
The Monitoring Frequency:	At least weekly	
The Data Collection Procedures That Will Be Used:	Checklist	
The Data Averaging Period For Determining Whether an Excursion or Exceedance Has Occurred:	None. (Note: If any reading is out of range and appropriate inspection will be performed and any adjustments or repairs will be made).	

**Table 7.8.3 - CAM Plan**

Emission Unit Section:	4.1	
PSEU Designation:	Batch Extractor HE1	
Pollutant:	PM	
Indicators:	#1) Live Bottom Pressure Drop	#2)
<b>General Criteria</b>		
The Monitoring Approach Used to Measure the Indicators:	Manual inspect the pressure drop of the pulse air on the Raw Germ Conveyor (RG2) Batch Blending.	
The Indicator Range Which Provides a Reasonable Assurance of Compliance:	1 - 8 inches of water	
Quality Improvement Plan (QIP) Threshold Levels:	N/A	
<b>Performance Criteria</b>		
The Specifications for Obtaining Representative Data:	Manual inspection of the pulse air and record.	
Verification Procedures to Confirm the Operational Status of the Monitoring:	Record readings from Magnahelic gauges	
Quality Assurance and Quality Control (QA/QC) Practices that Ensure the Validity of the Data:	Calibration of the gauge using manufactures specified procedures.	
The Monitoring Frequency:	At least weekly.	
The Data Collection Procedures That Will Be Used:	Checklist	
The Data Averaging Period For Determining Whether an Excursion or Exceedance Has Occurred:	None. (Note: If any reading is out of range and appropriate inspection will be performed and any adjustments or repairs will be made).	

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**Table 7.8.4 - CAM Plan**

Emission Unit Section:	4.1	
PSEU Designation:	Batch Extractor HE1	
Pollutant:	VOM, HAP	
Indicators:	#1) Scrubber Rate	#2)
<b>General Criteria</b>		
The Monitoring Approach Used to Measure the Indicators:	Auto readouts from the P.L.C Carbon System message center.	
The Indicator Range Which Provides a Reasonable Assurance of Compliance:	The message center will indicate what operation cycle the carbon system is in.	
Quality Improvement Plan (QIP) Threshold Levels:	N/A	
<b>Performance Criteria</b>		
The Specifications for Obtaining Representative Data:	Visual inspection of the carbon system Valves and Temperature gages.	
Verification Procedures to Confirm the Operational Status of the Monitoring:	Record readings on the Batch Record	
Quality Assurance and Quality Control (QA/QC) Practices that Ensure the Validity of the Data:	Calibration of the gauge using manufactures specified procedures.	
The Monitoring Frequency:	Periodic motoring of the systems during each shift.	
The Data Collection Procedures That Will Be Used:	Daily to weekly data inventory of solvent.	
The Data Averaging Period For Determining Whether an Excursion or Exceedance Has Occurred:	Compliance is determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running a 12 month total) (TIR)	

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**Table 7.8.5 - CAM Plan**

Emission Unit Section:	4.3	
PSEU Designation:	Material Handling	
Pollutant:	PM	
Indicators:	#1) Finished Germ Pressure Drop	#2) Bulk Loadout Pressure Drop
<b>General Criteria</b>		
The Monitoring Approach Used to Measure the Indicators:	Manual inspect the pressure drop of the pulse air on each of the material handling systems.	Manual inspect the pressure drop of the pulse air on each of the material handling systems.
The Indicator Range Which Provides a Reasonable Assurance of Compliance:	1 - 8 inches of water	1 - 8 inches of water
Quality Improvement Plan (QIP) Threshold Levels:	N/A	N/A
<b>Performance Criteria</b>		
The Specifications for Obtaining Representative Data:	Manual inspection of the pulse air and record.	Manual inspection of the pulse air and record.
Verification Procedures to Confirm the Operational Status of the Monitoring:	Record readings from Magnahelic gauges	Record readings from Magnahelic gauges
Quality Assurance and Quality Control (QA/QC) Practices that Ensure the Validity of the Data:	Calibration of the gauge using manufactures specified procedures.	Calibration of the gauge using manufactures specified procedures.
The Monitoring Frequency:	At least weekly.	At least weekly.
The Data Collection Procedures That Will Be Used:	Checklist	Checklist
The Data Averaging Period For Determining Whether an Excursion or Exceedance Has Occurred:	None. (Note: If any reading is out of range and appropriate inspection will be performed and any adjustments or repairs will be made).	None. (Note: If any reading is out of range and appropriate inspection will be performed and any adjustments or repairs will be made).

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## Section 8 - State Only Requirements

### 1. Permitted Emissions for Fees

The annual emissions from the source for purposes of "Duties to Pay Fees" of Condition 2.3(e), not considering insignificant activities as addressed by Section 6, shall not exceed the following limitations. The overall source emissions shall be determined by adding emissions from all emission units. Compliance with these limits shall be determined on a calendar year basis. The Permittee shall maintain records with supporting calculations of how the annual emissions for fee purposes were calculated. This Condition is set for the purpose of establishing fees and is not federally enforceable. See Section 39.5(18) of the Act.

<i>Pollutant</i>		<i>Tons/Year</i>
Volatile Organic Material	(VOM)	131.90
Sulfur Dioxide	(SO <sub>2</sub> )	1.20
Particulate Matter	(PM)	26.26
Nitrogen Oxides	(NO <sub>x</sub> )	200.00
HAP, not included in VOM or PM	(HAP)	----
Total		359.36

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## Attachment 1 - List of Emission Units at This Source

Section	Emission Units	Description
4.1	Batch Extractor & Pilot Plant	Oil is extracted from raw wheat germ or other oil containing commodities using hexane to produce wheat germ oil and de-fatted wheat germ or other oils and their corresponding de-fatted commodity.
4.2	Continuous Extractor	The continuous flow extractor extracts oil from wheat germ and other oil containing commodities using hexane or other appropriate organic solvent. The extractor is controlled by a mineral oil scrubbing system. The amount of hexane emitted is determined by balance calculating the amount of hexane used from the amount received and changes in the amount stored.
4.3	(RG1) Raw Germ Dump Station	The material handling units will be used to transfer, store, and process commodities used in the extraction process.
4.3	(RG2) Raw Germ Conveyor	
4.3	(RG3) Germ Blending Emission Unit	
4.3	(DG1) Finished Product Bin	
4.3	(DG2) Finished Germ Conveyance	
4.3	(DG3) Mill Room Feed Bin	
4.3	(DG4) Mill Room Finished Product Bin	
4.3	(DG5) Bagger and Metal Detection Unit	
4.3	(DG6) Meal Particle Size Control Unit	
4.3	(DG7) Packaging Unit	
4.3	(DG8) Flour Particle Size Control Unit	
4.3	(BG1) Silos 1 and 2	
4.3	(BG2) Silos 3 and 4	
4.3	(BG3) Silos 5 and 6	
4.3	(BG4) Silo 7	
4.4	South Boiler(B1) (33.475 mmBtu/hr) (Fuel oil as standby)	The north and south boilers are produce steam from the combustion of natural gas (fuel oil as standby) for the purpose of process steam and space heat.
4.4	North Boiler(B2) (33.475 mmBtu/hr) (Fuel oil as standby)	The north and south boilers are produce steam from the combustion of natural gas (fuel oil as standby) for the purpose of process steam and space heat.

## Attachment 2 - Acronyms and Abbreviations

acfm	Actual cubic feet per minute
ACMA	Alternative Compliance Market Account
Act	Illinois Environmental Protection Act [415 ILCS 5/1 et seq.]
AP-42	Compilation of Air Pollutant Emission Factors, Volume 1, Stationary Point and Other Sources (and Supplements A through F), USEPA, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711
ATU	Allotment trading unit
BACT	Best Available Control Technology
BAT	Best Available Technology
Btu	British Thermal Units
CAA	Clean Air Act [42 U.S.C. Section 7401 et seq.]
CAAPP	Clean Air Act Permit Program
CAIR	Clean Air Interstate Rule
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CISWI	Commercial Industrial Solid Waste Incinerator
CO	Carbon monoxide
CO <sub>2</sub>	Carbon dioxide
COMS	Continuous Opacity Monitoring System
CPMS	Continuous Parameter Monitoring System
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
ERMS	Emissions Reduction Market System
°F	Degrees Fahrenheit
GHG	Green house gas
GACT	Generally Acceptable Control Technology
gr	Grains
HAP	Hazardous air pollutant
Hg	Mercury
HMIWI	Hospital medical infectious waste incinerator
hp	Horsepower
hr	Hour
H <sub>2</sub> S	Hydrogen sulfide
I.D. No.	Identification number of source, assigned by IEPA
IAC	Illinois Administrative Code
ILCS	Illinois Compiled Statutes
IEPA	Illinois Environmental Protection Agency
kw	Kilowatts
LAER	Lowest Achievable Emission Rate

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lbs	Pound
m	Meter
MACT	Maximum Achievable Control Technology
M	Thousand
MM	Million
mos	Month
MSDS	Material Safety Data Sheet
MSSCAM	Major Stationary Sources Construction and Modification (Non-attainment New Source Review)
MW	Megawatts
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO <sub>x</sub>	Nitrogen oxides
NSPS	New Source Performance Standards
NSR	New Source Review
PB	Lead
PEMS	Predictive Emissions Monitoring System
PM	Particulate matter
PM <sub>10</sub>	Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 microns as measured by applicable test or monitoring methods
PM <sub>2.5</sub>	Particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 microns as measured by applicable test or monitoring methods
ppm	Parts per million
ppmv	Parts per million by volume
ppmw	Parts per million by weight
PSD	Prevention of Significant Deterioration
PSEU	Pollutant-Specific Emission Unit
psia	Pounds per square inch absolute
PTE	Potential to emit
RACT	Reasonable Available Control Technology
RMP	Risk Management Plan
scf	Standard cubic feet
SCR	Selective catalytic reduction
SIP	State Implementation Plan
SO <sub>2</sub>	Sulfur dioxide
T1	Title I - identifies Title I conditions that have been carried over from an existing permit
T1N	Title I New - identifies Title I conditions that are being established in this permit
T1R	Title I Revised - identifies Title I conditions that have been carried over from an existing permit and subsequently revised in this permit
USEPA	United States Environmental Protection Agency
VOM	Volatile organic material

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## Attachment 3 - Contact and Reporting Addresses

<p>IEPA Compliance Section</p> <p>IEPA Stack Test Specialist</p> <p>IEPA Air Quality Planning Section</p> <p>IEPA Air Regional Field Operations Regional Office #3</p> <p>IEPA Permit Section</p>	<p>Illinois EPA, Bureau of Air Compliance &amp; Enforcement Section (MC 40) 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276</p> <p>Phone No.: 217/782-2113</p>
	<p>Illinois EPA, Bureau of Air Compliance Section Source Monitoring - Third Floor 9511 Harrison Street Des Plaines, Illinois 60016</p> <p>Phone No.: 847/294-4000</p>
	<p>Illinois EPA, Bureau of Air Air Quality Planning Section (MC 39) 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276</p> <p>Phone No.: 217/782-2113</p>
	<p>Illinois EPA, Bureau of Air Regional Office #3 2009 Mall Street Collinsville, Illinois 62234</p> <p>Phone No.: 618/346-5120</p>
	<p>Illinois EPA, Bureau of Air Permit Section (MC 11) 1021 North Grand Avenue East P.O. Box 19506 Springfield, Illinois 62794-9506</p> <p>Phone No.: 217/785-1705</p>
<p>USEPA Region 5 - Air Branch</p>	<p>USEPA (AR - 17J) Air and Radiation Division 77 West Jackson Boulevard Chicago, Illinois 60604</p> <p>Phone No.: 312/353-2000</p>

Attachment 4 - Example Certification by a Responsible Official

SIGNATURE BLOCK	
NOTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPONSIBLE OFFICIAL. APPLICATIONS WITHOUT A SIGNED CERTIFICATION WILL BE DEEMED AS INCOMPLETE.	
I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION CONTAINED IN THIS APPLICATION ARE TRUE, ACCURATE AND COMPLETE. ANY PERSON WHO KNOWINGLY MAKES A FALSE, FICTITIOUS, OR FRAUDULENT MATERIAL STATEMENT, ORALLY OR IN WRITING, TO THE ILLINOIS EPA COMMITS A CLASS 4 FELONY. A SECOND OR SUBSEQUENT OFFENSE AFTER CONVICTION IS A CLASS 3 FELONY. (415 ILCS 5/44(H))	
AUTHORIZED SIGNATURE:	
BY:	
AUTHORIZED SIGNATURE	TITLE OF SIGNATORY
TYPED OR PRINTED NAME OF SIGNATORY	DATE

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